



## Electric Tankless and Mini Tank Hot Water Heaters

Specification Guide  
Effective  
April 2015



No.1 US brand of electric  
tankless water heaters

# Contents

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### Important Things to Note

- Complete submittal packages available for download on [eemax.com](http://eemax.com)
- All Eemax "Tankless" units are to be hard-wired to the electrical panel box with their own dedicated breaker.
- Size ALL Eemax Tankless Water Heaters for required performance, NOT to the existing electrical wiring available.
- Temperature settings of the unit are a "high limit not-to-exceed" specification. Refer to "Eemax Sizing Guide" on page 4.
- Booster applications (heater installed on a hot water feed line) MUST have temperature control as indicated by the letter "T" in the suffix of the product number.
- To obtain the shortest time to temp, install unit(s) as close to the point-of-use as possible.
- Pay attention to the minimum and maximum flow rates.
- CNL SKUs are Canada specific.
- "C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

For additional product specifying needs, contact Eemax Support at **(800) 543-6163** or email [info@eemaxinc.com](mailto:info@eemaxinc.com).

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\*Obsolete product listed for reference only.

# Tepid Water Requirement Fact Sheet

The American National Standards Institute ANSI Z358.1 requirement for tepid water is 60°F – 100°F for Emergency Eye/Face and Drench Showers. This requirement is a direct response to reduce employers' liability and increase employee safety. The problem with untempered water is that the minimum recommendation of 15 min to flush hazardous chemicals from contaminated parts of the body is often not met because incoming water temperature can be as low as 35° (2°C). This condition can cause hypothermia and at the very least discourage proper flushing of contaminants.

The Eemax collection of Emergency Eye/Face and Drench Shower on demand electric water heaters are specifically engineered to comply with ANSI Z358.1 requirements.

Preventative over temperature measures have been engineered into all ANSI compliant Eemax instantaneous water heaters. Sophisticated micro processing thermostats are factory set to a safe 60°F – 90°F. Unique staging of elements only allow power required for the flow needed (combo eye/face drench shower).

The powerful drench shower heater has the capacity to deliver 23 GPM at 80°F outlet temperature safely and reliably with no danger of running out of tepid water.

Legionella bacteria or mycobacteria growth is substantially reduced with instantaneous water heaters as there is no stored tepid water.

When the heater is not operational there is no consumption of energy, making it the most economical way to comply with ANSI Z358.1 code.

Eemax, the market leader in the manufacturing and engineering of electric instantaneous water heaters, can build a heater to fit your requirements.

Contact Eemax Engineering personnel for assistance in selection of the right heater.

**800-543-6163** or visit [www.eemax.com](http://www.eemax.com).

## ANSI Requirements for Emergency Eye Washes and Shower Equipment

### Emergency Shower Requirements

1. Shower heads should be not less than 82 in. nor more than 96 in. in height from the surfaces on which the user stands.
2. The spray pattern should have a minimum diameter of 20 in. at 60 in. above the surface on which the user stands. The center of the spray pattern should be located at least 16 in. from any obstruction.
3. Emergency shower heads should be capable of delivering a minimum of 20 GPM of flushing fluid at 30 PSI for a minimum 15 minute period.
4. The valve should be designed so that the flushing fluid flow remains on without requiring the use of the operator's hands, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
5. The pull rod should be located not more than 69 in. above the level on which the user stands.
6. Emergency showers should be in accessible locations that require no more than 10 seconds to reach.
7. Delivered flushing fluid temperature should be tepid.
8. Plumbed emergency showers should be activated weekly to verify proper operation.

### Plumbed and Self-Contained Eyewash Unit Requirements

1. Eyewash heads should be not less than 33 in. nor more than 45 in. from the surface on which the user stands and 6 in. minimum from the wall or nearest obstruction.
2. The eyewash unit should provide flushing fluid to both eyes simultaneously, and both nozzles should be protected from airborne contaminants.
3. Plumbed and self-contained eyewash equipment should be capable of delivering flushing fluid to the eyes not less than 0.4 GPM at 30 PSI for 15 minutes.
4. The valve should be designed so that the flow remains on without requiring the use of the operator's hand, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
5. Eyewash units should be in accessible locations that require no more than 10 seconds to reach.
6. Delivered flushing fluid temperature should be tepid.
7. Plumbed eyewashes should be activated weekly to verify proper operation.

### Personal Eyewash Equipment Requirements

1. Personal eyewash units should have the capacity to deliver immediate flushing to the eyes without being injurious to the user.
2. When addressing washing of the eyes, training should address holding the eyelids open and rolling the eyeballs so flushing fluid will flow on all surfaces of the eye and under the eyelid.
3. Delivered flushing fluid temperature should be tepid.
4. Personal eyewash units should be inspected annually to assure conformance with ANSI Z358.1-1998.

### Eye/Face Wash Equipment Requirements

1. Eye/face wash heads should be no less than 33 in. and no more than 45 in. from the level on which the user stands and 6 in. minimum from the wall or nearest obstruction.
2. The eye/face unit should provide flushing fluid to both eyes simultaneously, and both nozzles should be protected from airborne contaminants.
3. Plumbed eye/face wash equipment should be capable of delivering flushing fluid to the eyes not less than 3.0 GPM at 30 PSI for 15 minutes.
4. The valve should be designed so that the flow remains on without requiring the use of the operator's hands, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
5. Eye/face wash units should be in accessible locations that require no more than 10 seconds to reach.
6. Delivered flushing fluid temperature should be tepid.
7. Plumbed eye/face washes should be activated weekly to verify proper operation.

### Hand-Held Drench Hose Requirements

1. Drench hoses should be capable of delivering a minimum of 3 GPM of flushing fluid at 30 PSI for a minimum 15 minute period.
2. The valve should go from "off" to "on" in 1 second or less.
3. Delivered flushing fluid temperature should be tepid.
4. Plumbed drench hoses should be activated weekly to verify proper operation.

### Combination Unit Requirement

1. Shower heads should be not less than 82 in. nor more than 96 in. in height from the surface on which the user stands. Eye or eye/face wash heads should be not less than 33 in. nor more than 45 in. from the surface on which the user stands and 6 in. minimum from the wall or nearest obstruction.
2. The spray pattern of the shower head should have a minimum diameter of 20 in. at 60 in. above the surface on which the user stands. The center of the spray pattern should be located at least 16 in. from any obstruction.
3. Emergency shower heads should be capable of delivering a minimum of 20 GPM of flushing fluid at 30 PSI for a minimum 15 minute period. Eyewash equipment should be capable of delivering a minimum of 0.4 GPM at 30 PSI for a minimum 15 minute period, and eye/face wash equipment should be capable of delivering a minimum of 3 GPM at 30 PSI for a minimum 15 minute period.
4. The pull rod should be located not more than 69 in. above the level on which the user stands.
5. Eye and eye/face wash heads should provide flushing fluid to both eyes simultaneously, and both nozzles should be protected from airborne contaminants.
6. The valves should be designed so that the flow remains on without requiring the use of the operator's hands, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
7. Combination units should be capable of operating simultaneously and should be positioned so that components may be used simultaneously by the same user.
8. Combination units should be in accessible locations that require no more than 10 seconds to reach.
9. Delivered flushing fluid temperature should be tepid.
10. Plumbed combination units should be activated weekly to verify proper operation.

# Eemax Sizing Guide

Simple Formula Ensures Proper Size of Electric Tankless Water Heaters

## A tankless water heater creates hot water on demand.

You need a proportional amount of energy or (kW) to heat the flow (GPM) needed/required for your applications. The chart below will help you determine the correct electric tankless water heater, based on flow rate (GPM) and temperature rise.

### Flow Chart Power Required – kW

| Total Gallons Per Minute (GPM) Demand | 23  | 67 kW | 101 kW |        |        |        |        |        |        |        |
|---------------------------------------|-----|-------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                       | 22  | 64 kW | 97 kW  | 129 kW |        |        |        |        |        |        |
|                                       | 21  | 62 kW | 92 kW  | 123 kW |        |        |        |        |        |        |
|                                       | 20  | 59 kW | 88 kW  | 117 kW |        |        |        |        |        |        |
|                                       | 19  | 56 kW | 84 kW  | 111 kW |        |        |        |        |        |        |
|                                       | 18  | 53 kW | 79 kW  | 105 kW | 132 kW |        |        |        |        |        |
|                                       | 17  | 50 kW | 75 kW  | 100 kW | 125 kW |        |        |        |        |        |
|                                       | 16  | 47 kW | 70 kW  | 94 kW  | 117 kW |        |        |        |        |        |
|                                       | 15  | 44 kW | 66 kW  | 88 kW  | 110 kW | 132 kW |        |        |        |        |
|                                       | 14  | 41 kW | 62 kW  | 82 kW  | 103 kW | 123 kW |        |        |        |        |
|                                       | 13  | 38 kW | 57 kW  | 76 kW  | 95 kW  | 114 kW |        |        |        |        |
|                                       | 12  | 35 kW | 53 kW  | 70 kW  | 88 kW  | 105 kW | 123 kW |        |        |        |
|                                       | 11  | 32 kW | 48 kW  | 64 kW  | 81 kW  | 97 kW  | 113 kW | 129 kW |        |        |
|                                       | 10  | 29 kW | 44 kW  | 59 kW  | 73 kW  | 88 kW  | 103 kW | 117 kW | 132 kW |        |
|                                       | 9   | 26 kW | 40 kW  | 53 kW  | 66 kW  | 79 kW  | 92 kW  | 105 kW | 119 kW | 132 kW |
|                                       | 8   | 23 kW | 35 kW  | 50 kW  | 59 kW  | 70 kW  | 82 kW  | 94 kW  | 105 kW | 117 kW |
|                                       | 7   | 20 kW | 31 kW  | 41 kW  | 51 kW  | 62 kW  | 72 kW  | 82 kW  | 92 kW  | 103 kW |
|                                       | 6   | 18 kW | 26 kW  | 35 kW  | 44 kW  | 53 kW  | 62 kW  | 70 kW  | 79 kW  | 88 kW  |
|                                       | 5   | 15 kW | 22 kW  | 29 kW  | 37 kW  | 44 kW  | 51 kW  | 59 kW  | 66 kW  | 73 kW  |
|                                       | 4   | 12 kW | 18 kW  | 23 kW  | 29 kW  | 35 kW  | 41 kW  | 47 kW  | 53 kW  | 59 kW  |
|                                       | 3   | 9 kW  | 13 kW  | 18 kW  | 22 kW  | 26 kW  | 31 kW  | 35 kW  | 40 kW  | 44 kW  |
|                                       | 2   | 6 kW  | 9 kW   | 12 kW  | 15 kW  | 18 kW  | 21 kW  | 23 kW  | 26 kW  | 29 kW  |
|                                       | 1   | 3 kW  | 4 kW   | 6 kW   | 7 kW   | 9 kW   | 10 kW  | 12 kW  | 13 kW  | 15 kW  |
|                                       | 0.5 | 2 kW  | 2 kW   | 3 kW   | 4 kW   | 4 kW   | 5 kW   | 6 kW   | 7 kW   | 8 kW   |
|                                       |     | 20°F  | 30°F   | 40°F   | 50°F   | 60°F   | 70°F   | 80°F   | 90°F   | 100°F  |
|                                       |     |       |        |        |        |        |        |        |        | 110°F  |

Rise In Temperature °F

NOTE: For simple calculation, kW reference is based on a 100% heater efficiency. Eemax tankless heaters are 99% efficient.

$$\text{kW req.} = \text{GPM} \times \text{temp rise}/6.83$$

$$\text{Temp rise} = \text{kW} \times 6.83/\text{GPM}$$

$$\text{GPM} = \text{kW} \times 6.83/\text{temp rise}$$



Average Temperature Zones  
Degrees Listed in Fahrenheit (F)  
A 35° B 37° C 42° D 47° E 52° F 57° G 62° H 67° I 72° J 77°

Use this chart to approximate the ground water temperatures in your area. Seasonal and local climate variations can be expected

Residential, commercial, safety, and industrial slide rule

sizing guides are available by request. Contact Eemax

Support at (800) 543-6163 or email info@eemaxinc.com.

# SafeAdvantage with PhD (Nema 4 Incl.)

For Safety Applications – Eye/Face Wash and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Eye/face wash
- Emergency drench showers
- Where tepid water is needed

### Performance Features

- Thermo-Optical sensor
- Predictive control algorithm
- Adjustable turn on
- Field programmable & firmware updates
- On board diagnostics with digital LCD display

### Optional Features

- N4X (304SS) N4X6 (316SS) enclosures
- Freeze protection for harsh climate, up to -30°F
- Electrical disconnect
- GFCI
- Explosion Proof

### Suggested Specification

Tankless water heater shall be an Eemax SafeAdvantage model number AP \_\_\_\_\_.

Factory installation in a \_\_\_\_\_(N4/N4X/N4x6) enclosure.

Enclosure to be fitted with the following features:

- |             |  |
|-------------|--|
| <b>FP</b>   | Freeze protection (-30F)                     |
| <b>EDS</b>  | Non-fused disconnect                         |
| <b>FDS</b>  | Fused disconnect                             |
| <b>EP</b>   | Explosion proof (C1D2 Groups A, B, C & D)    |
| <b>GFCI</b> | True RMS GFCI with digital display and reset |
| <b>SK</b>   | 24" legs for free standing applications      |
| <b>RD</b>   | Remote display                               |
| <b>SB</b>   | Siren and Beacon                             |

Tankless water heater must have water connections on the bottom, and be constructed with NSF61 listed materials. Direct heating element to be non-ferrous, cartridge style, designed for field replacement. Tankless water heater to utilize a dual PID algorithm, actively managing power application to real-time system demand.

Integrated flow meter capable of volumes in excess of 40 GPM drives predictive control algorithm. Water heater must be protected by redundant safeties. Redundant safeties to include thermo mechanical safety switches, infrared element monitoring via thermo optical sensors, and dual temperature monitoring via master control board.

Tankless water heater user interface must have the following capabilities:

- Selectable display including Celsius/Fahrenheit, inlet temperature, outlet temperature, and set point temperature.
- Must be capable of displaying flow rate in gallons per minute or liters per minute.
- Diagnostic features to include error and fault code display.
- Control board must maintain error/fault history of 9 events.
- Capable of factory coded temperature setting (max and min)
- Capable of firmware upgrades via USB port
- Capable of BMS integration
- Available Data logger for monitoring of internal I/O values and 4 external inputs.
- Compliant with ANSI Z358.1 tepid water without additional mixing or purge features (inlet temperatures must not exceed 100°F).

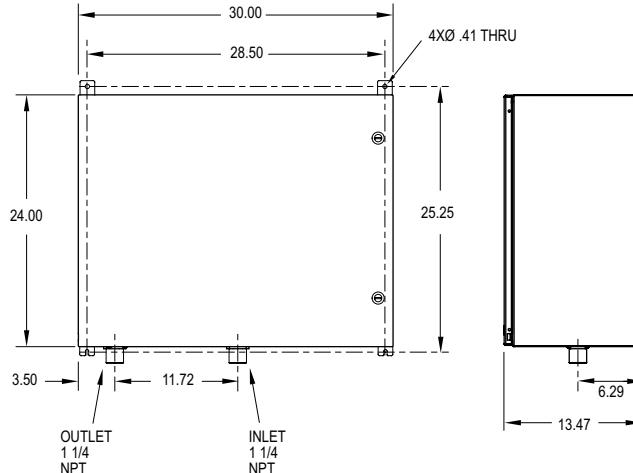


U.S. Patent Pending



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

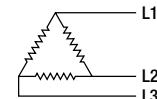
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# SafeAdvantage with PhD (Nema 4 Incl.)

For Safety Applications – Eye/Face Wash and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

**EE** **Emergency Eyewash.** Shipped with max. temp of 90°F. Shipped with display "Locked."

**EFD** **Emergency Eye, Face & Drench.** Shipped with max. temp of 90°F. Must get software update to change temp. Shipped with display "Locked."

### PHD Pressure Drop

| Flow Rate (GPM) | Delta PSI |
|-----------------|-----------|
| 2               | 0         |
| 3               | 0         |
| 4               | 0         |
| 6               | 0         |
| 8               | 1         |
| 11              | 3         |
| 12              | 4         |
| 15              | 6         |
| 18              | 8         |
| 20              | 10        |
| 22              | 13        |
| 24              | 14        |
| 27              | 17        |
| 30              | 22        |
| 33              | 26        |
| 35              | 30        |
| 37              | 34        |
| 40              | 43        |

| MODEL NUMBER              | KW  | BTU     | AMPS PER PHASE | TURN ON (GPM) | RECOMMENDED WIRE SIZE (90° C/CU) | TEMPERATURE RISE °F |         |         |         |          |          |          |          |          |
|---------------------------|-----|---------|----------------|---------------|----------------------------------|---------------------|---------|---------|---------|----------|----------|----------|----------|----------|
|                           |     |         |                |               |                                  | 3.0 GPM             | 4.0 GPM | 5.0 GPM | 6.0 GPM | 20.0 GPM | 23.0 GPM | 26.0 GPM | 30.0 GPM | 40.0 GPM |
| <b>VOLTS 208 3ΦD</b>      |     |         |                |               |                                  |                     |         |         |         |          |          |          |          |          |
| <b>AP032208 EE N4</b>     | 32  | 109,189 | 89             | 1.0           | 1 AWG                            | 73°                 | 55°     | 36°     | 29°     | 11°      | 10°      | 8°       | 7°       | 5°       |
| <b>AP032208 EE N4X</b>    | 32  | 109,189 | 89             | 1.0           | 1 AWG                            | 73°                 | 55°     | 36°     | 29°     | 11°      | 10°      | 8°       | 7°       | 5°       |
| <b>AP036208 EE N4</b>     | 36  | 122,832 | 100            | 1.0           | 1 AWG                            | 82°                 | 61°     | 49°     | 41°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP036208 EE N4X</b>    | 36  | 122,832 | 100            | 1.0           | 1 AWG                            | 82°                 | 61°     | 49°     | 41°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP041208 EFD N4</b>    | 41  | 143,310 | 112            | 1.0           | 1 AWG                            | 93°                 | 70°     | 47°     | 37°     | 14°      | 12°      | 11°      | 9°       | 7°       |
| <b>AP041208 EFD N4X</b>   | 41  | 143,310 | 112            | 1.0           | 1 AWG                            | 93°                 | 70°     | 47°     | 37°     | 14°      | 12°      | 11°      | 9°       | 7°       |
| <b>AP054208 EFD N4</b>    | 54  | 184,256 | 150            | 1.5           | 2/0 AWG                          | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP054208 EFD N4X</b>   | 54  | 184,256 | 150            | 1.5           | 2/0 AWG                          | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP064208 EFD N4</b>    | 64  | 218,377 | 178            | 2.5           | 3/0 AWG                          | +                   | 109°    | 73°     | 58°     | 22°      | 19°      | 17°      | 15°      | 11°      |
| <b>AP064208 EFD N4X</b>   | 64  | 218,377 | 178            | 2.5           | 3/0 AWG                          | +                   | 109°    | 73°     | 58°     | 22°      | 19°      | 17°      | 15°      | 11°      |
| <b>VOLTS 480 3ΦD</b>      |     |         |                |               |                                  |                     |         |         |         |          |          |          |          |          |
| <b>AP036480 EE N4</b>     | 36  | 122,837 | 43             | 1.0           | 8 AWG                            | 82°                 | 61°     | 41°     | 33°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP036480 EE N4X</b>    | 36  | 122,837 | 43             | 1.0           | 8 AWG                            | 82°                 | 61°     | 41°     | 33°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP039480 EE N4</b>     | 39  | 133,068 | 47             | 1.0           | 6 AWG                            | 89°                 | 67°     | 53°     | 44°     | 13°      | 12°      | 10°      | 9°       | 7°       |
| <b>AP039480 EE N4X</b>    | 39  | 133,068 | 47             | 1.0           | 6 AWG                            | 89°                 | 67°     | 53°     | 44°     | 13°      | 12°      | 10°      | 9°       | 7°       |
| <b>AP048480 EFD N4</b>    | 48  | 163,783 | 57.6           | 1.0           | 6 AWG                            | 109°                | 82°     | 55°     | 44°     | 16°      | 14°      | 13°      | 11°      | 8°       |
| <b>AP048480 EFD N4X</b>   | 48  | 163,783 | 57.6           | 1.0           | 6 AWG                            | 109°                | 82°     | 55°     | 44°     | 16°      | 14°      | 13°      | 11°      | 8°       |
| <b>AP054480 EFD N4</b>    | 54  | 184,256 | 65             | 1.5           | 4 AWG                            | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP054480 EFD N4X</b>   | 54  | 184,256 | 65             | 1.5           | 4 AWG                            | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP063480 EFD N4</b>    | 63  | 214,956 | 76             | 2.5           | 3 AWG                            | 143°                | 108°    | 86°     | 72°     | 22°      | 19°      | 17°      | 14°      | 11°      |
| <b>AP063480 EFD N4X</b>   | 63  | 214,956 | 76             | 2.5           | 3 AWG                            | 143°                | 108°    | 86°     | 72°     | 22°      | 19°      | 17°      | 14°      | 11°      |
| <b>AP072480 EFD N4</b>    | 72  | 245,674 | 87             | 2.5           | 3 AWG                            | +                   | 123°    | 82°     | 66°     | 25°      | 21°      | 19°      | 16°      | 12°      |
| <b>AP072480 EFD N4X</b>   | 72  | 245,674 | 87             | 2.5           | 3 AWG                            | +                   | 123°    | 82°     | 66°     | 25°      | 21°      | 19°      | 16°      | 12°      |
| <b>AP096480 EFD N4</b>    | 96  | 327,552 | 116            | 2.5           | 1/0 AWG                          | +                   | +       | 131°    | 109°    | 33°      | 29°      | 25°      | 22°      | 16°      |
| <b>AP096480 EFD N4X</b>   | 96  | 327,552 | 116            | 2.5           | 1/0 AWG                          | +                   | +       | 131°    | 109°    | 33°      | 29°      | 25°      | 22°      | 16°      |
| <b>AP108480 EFD N4</b>    | 108 | 368,511 | 130            | 2.5           | 1/0 AWG                          | +                   | +       | 123°    | 98°     | 37°      | 32°      | 28°      | 25°      | 18°      |
| <b>AP108480 EFD N4X</b>   | 108 | 368,511 | 130            | 2.5           | 1/0 AWG                          | +                   | +       | 123°    | 98°     | 37°      | 32°      | 28°      | 25°      | 18°      |
| <b>AP126480 EFD N4</b>    | 126 | 429,930 | 151            | 2.5           | 2/0 AWG                          | +                   | +       | +       | 115°    | 43°      | 37°      | 33°      | 29°      | 22°      |
| <b>AP126480 EFD N4X</b>   | 126 | 429,930 | 151            | 2.5           | 2/0 AWG                          | +                   | +       | +       | 115°    | 43°      | 37°      | 33°      | 29°      | 22°      |
| <b>AP144480 EFD N4</b>    | 144 | 491,348 | 173            | 2.5           | 3/0 AWG                          | +                   | +       | +       | +       | 49°      | 43°      | 38°      | 33°      | 25°      |
| <b>AP144480 EFD N4X</b>   | 144 | 491,348 | 173            | 2.5           | 3/0 AWG                          | +                   | +       | +       | +       | 49°      | 43°      | 38°      | 33°      | 25°      |
| <b>VOLTS 600 3ΦD</b>      |     |         |                |               |                                  |                     |         |         |         |          |          |          |          |          |
| <b>C AP130600 EFD N4</b>  | 130 | 443,578 | 125            | 2.5           | 1 AWG                            | +                   | +       | +       | 118°    | 44°      | 29°      | 34°      | 26°      | 22°      |
| <b>C AP130600 EFD N4X</b> | 130 | 443,578 | 125            | 2.5           | 1 AWG                            | +                   | +       | +       | 118°    | 44°      | 29°      | 34°      | 26°      | 22°      |
| <b>C AP150600 EFD N4</b>  | 150 | 511,821 | 144            | 2.5           | 1/0 AWG                          | +                   | +       | +       | +       | 51°      | 45°      | 39°      | 24°      | 26°      |
| <b>C AP150600 EFD N4X</b> | 150 | 511,821 | 144            | 2.5           | 1/0 AWG                          | +                   | +       | +       | +       | 51°      | 45°      | 39°      | 24°      | 26°      |

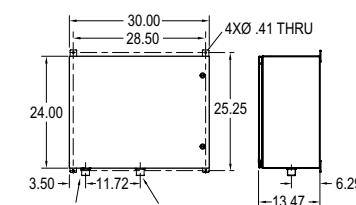
+Temperature electronically limited to factory preset not to exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

### NEMA Cabinet Options

**Dimensions:** 24" H x 30" W x 13.5"D  
(Total weight est 150 lbs.)

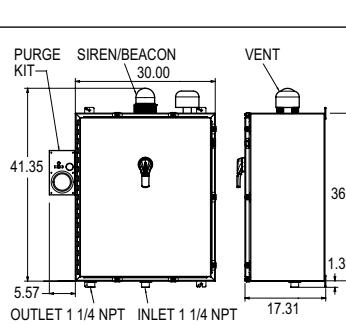
- N4** Waterproof powder coated steel
- N4X** Waterproof corrosion resistant 304 stainless steel
- N4X6** Waterproof corrosion resistant 316 stainless steel



### NEMA Cabinet Option Accessories:

**Dimensions:** 36" H x 30" W x 17.3"D  
(Total weight est. 225 lbs.)

- FP** Freeze protection (-30°F)
- EDS** Non-fused disconnect
- FDS** Fused disconnect
- EP** Explosion proof (C1D1/2 Groups A,B,C,&D)
- GFCI** True RMS GFCI with digital display and reset
- SK** 24" legs for free standing applications
- RD** Remote display
- SB** Siren and Beacon



### Special Design Service

Inquiries for units for unique applications are welcome. Call our Technical Service department at **1-800-543-6163**.

# SpecAdvantage with PhD

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Eye/face wash
- Emergency drench showers
- Where tepid water is needed
- Booster applications for sanitation
- Commercial kitchen
- Process heating
- High volume domestic hot water

### Performance Features

- Thermo-Optical sensor
- Predictive control algorithm
- Adjustable turn on
- Field programmable & firmware updates
- On board diagnostics with digital LCD display
- Designed for commercial and industrial applications

### Optional Features

- N4, N4X (304SS) N4X6 (316SS) enclosures
- Freeze protection for harsh climate, up to -30°F
- Electrical disconnect
- GFCI
- Explosion Proof

### Suggested Specification

Tankless water heater shall be an Eemax SpecAdvantage model number AP\_\_\_\_\_.

Optional factory installation in a \_\_\_\_\_(N4/N4X/N4X6) enclosure.

Enclosure to be fitted with the following features:

- FP** Freeze protection (-30F)
- EDS** Non-fused disconnect
- FDS** Fused disconnect
- EP** Explosion proof (C1D2 Groups A, B, C & D)
- GFCI** True RMS GFCI with digital display and reset
- SK** 24" legs for free standing applications
- RD** Remote display
- SB** Siren and beacon

Tankless water heater must have water connections on the bottom, and be constructed with NSF 61 listed materials. Direct heating element to be non-ferrous, cartridge style, designed for field replacement. Tankless water heater to utilize a dual PID algorithm, actively managing power application to real-time system demand. Integrated flow meter capable of volumes in excess of 40 GPM drives predictive control algorithm. Water heater must be protected by redundant safeties. Redundant safeties to include thermo mechanical safety switches, infrared element monitoring via thermo optical sensors, and dual temperature monitoring via master control board. Tankless water heater user interface must have the following capabilities:

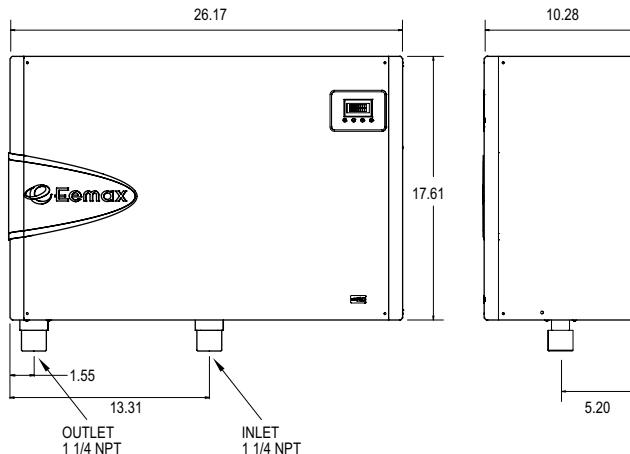
- Selectable display including Celsius/Fahrenheit, inlet temperature, outlet temperature, flow rate, and set point temperature.
- Must be capable of displaying flow rate in gallons per minute or liters per minute.
- Diagnostic features to include error and fault code display.
- Control board must maintain error/fault history of 9 events.
- Capable of factory coded temperature setting (max and min)
- Capable of firmware upgrades via USB port
- Capable of BMS integration
- Available Data logger for monitoring of internal I/O values and 4 external inputs.
- Compliant with ANSI Z358.1 tepid water without additional mixing or purge features (inlet temperatures must not exceed 100°F when selecting an EE or EFD option)



U.S. Patent Pending



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

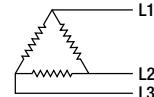
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# SpecAdvantage with PhD

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

- S** **Sanitation.** Shipped at 180°F with temp range of 100°F-190°F max.
- EE** **Emergency Eyewash.** Shipped with max. temp of 90°F. Shipped with display "Locked."
- EFD** **Emergency Eye, Face & Drench.** Shipped with max. temp of 90°F. Must get software update to change temp. Shipped with display "Locked."

### PHD Pressure Drop

| Flow Rate (GPM) | Delta PSI |
|-----------------|-----------|
| 2               | 0         |
| 3               | 0         |
| 4               | 0         |
| 6               | 0         |
| 8               | 1         |
| 11              | 3         |
| 12              | 4         |
| 15              | 6         |
| 18              | 8         |
| 20              | 10        |
| 22              | 13        |
| 24              | 14        |
| 27              | 17        |
| 30              | 22        |
| 33              | 26        |
| 35              | 30        |
| 37              | 34        |
| 40              | 43        |

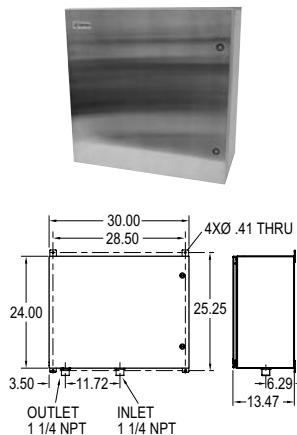
### NEMA Cabinet Options

**Dimensions:** 24"Hx30"Wx13'5"D  
(Total weight est 150 lbs.)

**N4** Waterproof powder coated steel

**N4X** Waterproof corrosion resistant  
304 stainless steel

**N4X6** Waterproof corrosion resistant  
316 stainless steel



| MODEL NUMBER          | kW  | BTU     | AMPS PER PHASE | TURN ON (GPM) | RECOMMENDED WIRE SIZE (90° C/CU) | TEMPERATURE RISE °F |         |         |         |          |          |          |          |          |
|-----------------------|-----|---------|----------------|---------------|----------------------------------|---------------------|---------|---------|---------|----------|----------|----------|----------|----------|
|                       |     |         |                |               |                                  | 3.0 GPM             | 4.0 GPM | 5.0 GPM | 6.0 GPM | 20.0 GPM | 23.0 GPM | 26.0 GPM | 30.0 GPM | 40.0 GPM |
| <b>VOLTS 208 3ΦD</b>  |     |         |                |               |                                  |                     |         |         |         |          |          |          |          |          |
| <b>AP032208</b>       | 32  | 109,189 | 89             | 1.0*          | 1 AWG                            | 73°                 | 55°     | 36°     | 29°     | 11°      | 10°      | 8°       | 7°       | 5°       |
| <b>AP032208 EE</b>    | 32  | 109,189 | 89             | 1.0*          | 1 AWG                            | 73°                 | 55°     | 36°     | 29°     | 11°      | 10°      | 8°       | 7°       | 5°       |
| <b>AP032208 S</b>     | 32  | 109,189 | 89             | 1.0*          | 1 AWG                            | 73°                 | 55°     | 36°     | 29°     | 11°      | 10°      | 8°       | 7°       | 5°       |
| <b>AP036208</b>       | 36  | 122,832 | 100            | 1.0*          | 1 AWG                            | 82°                 | 61°     | 49°     | 41°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP036208 EE</b>    | 36  | 122,832 | 100            | 1.0*          | 1 AWG                            | 82°                 | 61°     | 49°     | 41°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP036208 S</b>     | 36  | 122,832 | 100            | 1.0*          | 1 AWG                            | 82°                 | 61°     | 49°     | 41°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP041208</b>       | 41  | 143,310 | 112            | 1.0*          | 1 AWG                            | 93°                 | 70°     | 47°     | 37°     | 14°      | 12°      | 11°      | 9°       | 7°       |
| <b>AP041208 EFD</b>   | 41  | 143,310 | 112            | 1.0*          | 1 AWG                            | 93°                 | 70°     | 47°     | 37°     | 14°      | 12°      | 11°      | 9°       | 7°       |
| <b>AP041208 S</b>     | 41  | 143,310 | 112            | 1.0*          | 1 AWG                            | 93°                 | 70°     | 47°     | 37°     | 14°      | 12°      | 11°      | 9°       | 7°       |
| <b>AP054208</b>       | 54  | 184,256 | 150            | 1.5*          | 2/0 AWG                          | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP054208 EFD</b>   | 54  | 184,256 | 150            | 1.5*          | 2/0 AWG                          | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP054208 S</b>     | 54  | 184,256 | 150            | 1.5*          | 2/0 AWG                          | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP064208</b>       | 64  | 218,377 | 178            | 2.5           | 3/0 AWG                          | 146°                | 109°    | 73°     | 58°     | 22°      | 19°      | 17°      | 15°      | 11°      |
| <b>AP064208 EFD</b>   | 64  | 218,377 | 178            | 2.5           | 3/0 AWG                          | 146°                | 109°    | 73°     | 58°     | 22°      | 19°      | 17°      | 15°      | 11°      |
| <b>AP064208 S</b>     | 64  | 218,377 | 178            | 2.5           | 3/0 AWG                          | 146°                | 109°    | 73°     | 58°     | 22°      | 19°      | 17°      | 15°      | 11°      |
| <b>VOLTS 480 3ΦD</b>  |     |         |                |               |                                  |                     |         |         |         |          |          |          |          |          |
| <b>AP036480</b>       | 36  | 122,837 | 43             | 1.0*          | 8 AWG                            | 82°                 | 61°     | 41°     | 33°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP036480 EE</b>    | 36  | 122,837 | 43             | 1.0*          | 8 AWG                            | 82°                 | 61°     | 41°     | 33°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP036480 S</b>     | 36  | 122,837 | 43             | 1.0*          | 8 AWG                            | 82°                 | 61°     | 41°     | 33°     | 12°      | 11°      | 9°       | 8°       | 6°       |
| <b>AP039480</b>       | 39  | 133,068 | 47             | 1.0*          | 6 AWG                            | 89°                 | 67°     | 53°     | 44°     | 13°      | 12°      | 10°      | 9°       | 7°       |
| <b>AP039480 EE</b>    | 39  | 133,068 | 47             | 1.0*          | 6 AWG                            | 89°                 | 67°     | 53°     | 44°     | 13°      | 12°      | 10°      | 9°       | 7°       |
| <b>AP039480 S</b>     | 39  | 133,068 | 47             | 1.0*          | 6 AWG                            | 89°                 | 67°     | 53°     | 44°     | 13°      | 12°      | 10°      | 9°       | 7°       |
| <b>AP048480</b>       | 48  | 163,783 | 58             | 1.0*          | 6 AWG                            | 109°                | 82°     | 55°     | 44°     | 16°      | 14°      | 13°      | 11°      | 8°       |
| <b>AP048480 EFD</b>   | 48  | 163,783 | 58             | 1.0*          | 6 AWG                            | 109°                | 82°     | 55°     | 44°     | 16°      | 14°      | 13°      | 11°      | 8°       |
| <b>AP054480</b>       | 54  | 184,256 | 65             | 1.5*          | 4 AWG                            | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP054480 EFD</b>   | 54  | 184,256 | 65             | 1.5*          | 4 AWG                            | 123°                | 92°     | 61°     | 49°     | 18°      | 16°      | 14°      | 12°      | 9°       |
| <b>AP063480</b>       | 63  | 214,956 | 76             | 2.5           | 3 AWG                            | 143°                | 108°    | 86°     | 72°     | 22°      | 19°      | 17°      | 14°      | 11°      |
| <b>AP063480 EFD</b>   | 63  | 214,956 | 76             | 2.5           | 3 AWG                            | 143°                | 108°    | 86°     | 72°     | 22°      | 19°      | 17°      | 14°      | 11°      |
| <b>AP063480 S</b>     | 63  | 214,956 | 76             | 2.5           | 3 AWG                            | 143°                | 108°    | 86°     | 72°     | 22°      | 19°      | 17°      | 14°      | 11°      |
| <b>AP072480</b>       | 72  | 245,674 | 87             | 2.5           | 3 AWG                            | +                   | 123°    | 82°     | 66°     | 25°      | 21°      | 19°      | 16°      | 12°      |
| <b>AP072480 EFD</b>   | 72  | 245,674 | 87             | 2.5           | 3 AWG                            | +                   | 123°    | 82°     | 66°     | 25°      | 21°      | 19°      | 16°      | 12°      |
| <b>AP096480</b>       | 96  | 327,552 | 116            | 2.5           | 1/0 AWG                          | +                   | +       | 131°    | 109°    | 33°      | 29°      | 25°      | 22°      | 16°      |
| <b>AP096480 EFD</b>   | 96  | 327,552 | 116            | 2.5           | 1/0 AWG                          | +                   | +       | 131°    | 109°    | 33°      | 29°      | 25°      | 22°      | 16°      |
| <b>AP096480 S</b>     | 96  | 327,552 | 116            | 2.5           | 1/0 AWG                          | +                   | +       | 131°    | 109°    | 33°      | 29°      | 25°      | 22°      | 16°      |
| <b>AP108480</b>       | 108 | 368,511 | 130            | 2.5           | 1/0 AWG                          | +                   | +       | 123°    | 98°     | 37°      | 32°      | 28°      | 25°      | 18°      |
| <b>AP108480 EFD</b>   | 108 | 368,511 | 130            | 2.5           | 1/0 AWG                          | +                   | +       | 123°    | 98°     | 37°      | 32°      | 28°      | 25°      | 18°      |
| <b>AP126480</b>       | 126 | 429,930 | 151            | 2.5           | 2/0 AWG                          | +                   | +       | 143°    | 115°    | 43°      | 37°      | 33°      | 29°      | 22°      |
| <b>AP126480 EFD</b>   | 126 | 429,930 | 151            | 2.5           | 2/0 AWG                          | +                   | +       | 143°    | 115°    | 43°      | 37°      | 33°      | 29°      | 22°      |
| <b>AP144480</b>       | 144 | 491,348 | 173            | 2.5           | 3/0 AWG                          | +                   | +       | +       | +       | 49°      | 43°      | 38°      | 33°      | 25°      |
| <b>AP144480 EFD</b>   | 144 | 491,348 | 173            | 2.5           | 3/0 AWG                          | +                   | +       | +       | +       | 49°      | 43°      | 38°      | 33°      | 25°      |
| <b>VOLTS 600 3ΦD</b>  |     |         |                |               |                                  |                     |         |         |         |          |          |          |          |          |
| <b>C AP130600 EFD</b> | 130 | 443,578 | 125            | 2.5           | 1 AWG                            | +                   | +       | +       | 118°    | 44°      | 29°      | 34°      | 26°      | 22°      |
| <b>C AP150600 EFD</b> | 150 | 511,821 | 144            | 2.5           | 1/0 AWG                          | +                   | +       | +       | +       | 51°      | 45°      | 39°      | 24°      | 26°      |

\* Units with 1 GPM turn-on are limited to 120°F only. Contact Eemax support for applications above 120°F and 1 GPM or less.

+ Temperature electronically limited to factory preset not to exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

### NEMA Cabinet Option Accessories:

**Dimensions:** 36"Hx30"Wx17.3"D

(Total weight est. 225 lbs.)

**FP** Freeze protection (-30°F)

**EDS** Non-fused disconnect

**FDS** Fused disconnect

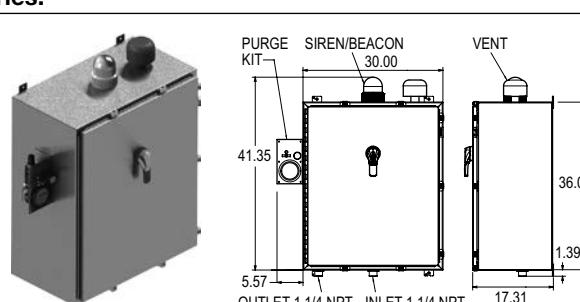
**EP** Explosion proof (C1D1/2 Groups A,B,C,&D)

**GFCI** True RMS GFCI with digital display and reset

**SK** 24" legs for free standing applications

**RD** Remote display

**SB** Siren and Beacon



### Special Design Service

Inquiries for units for unique applications are welcome.

Call our Technical Service department at **1-800-543-6163**.

# AccuMix Series

Ideal for Sensor or Metering Faucets. UPC 413.1 Code Compliant

## Specifications

Electric Tankless Hot Water Heater

### Performance Features

- Eemax exclusive turnkey solution
- Integrated mixing valve meets ASSE 1070-2004
- Meets UPC 413.1 requirements when properly installed
- No scalding or temperature spikes
- Product performance test indicator light
- 99% energy efficient reducing your utility costs
- On-Demand hot water — never run out
- 0.3 GPM turn on
- Quick temperature ramp up time
- Compatible with all sensor and non-sensor faucets
- Save water – “Point of Use”
- Easy installation – only one cold or hot water line is needed for installation – integral compression fittings for 1/2" pipe on BOTTOM (MB Units) or 3/8" on TOP (MT Units)
- Reduces calcification, liming and sedimentation
- Reduces installation cost and material – No T&P relief valve needed (check local codes)
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year
- High Temperature Limit Switch (ECO) with automatic reset
- ADA Compliant

### Product Specifications

|                     |   |
|---------------------|---|
| <b>Dimensions:</b>  | 13.5" H x 5" W x 4" D                       |
| <b>Weight:</b>      | 8 lbs.                                      |
| <b>Cover:</b>       | Steel Powder Coated                         |
| <b>Color:</b>       | Sandstone                                   |
| <b>Temperature:</b> | Factory set to 105°F                        |
| <b>Element:</b>     | Replaceable Ni Chrome cartridge insert      |
| <b>MT Fittings:</b> | 3/8" compression fittings at TOP of unit    |
| <b>MB Fittings:</b> | 1/2" compression fittings at BOTTOM of unit |
| <b>UL Listed:</b>   | E86887                                      |

U.S. Patent Pending Technology

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

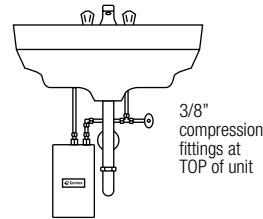
### Suggested Specification

Tankless water heater shall be an Eemax AccuMix model number M\_\_\_\_\_T.

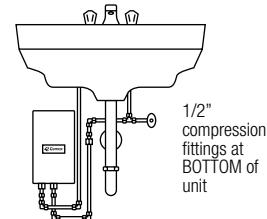
Tankless Water Heater shall be an Eemax AccuMix model, with digital microprocessing temperature control capable of maintaining outlet temperature of +/-1°F accuracy, and uses an ASSE 1070 approved integrated mixing valve to conform to UPC 413.1. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" pipe compression fittings (5/8" OD) or 3/8" (1/2" OD) fittings, to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.



MT Version



MB Version



NO LEAD\*

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# AccuMix Series

Ideal for Sensor or Metering Faucets. UPC 413.1 Code Compliant

## Specifications

Electric Tankless Hot Water Heater

**Warning:** The temperature of this heater has been Eemax factory set at 105°F for hand washing applications and must not be adjusted. Tampering with any adjustments will void warranty and may cause a loss of compliance to Uniform Plumbing Code 413.1. For further information please contact our technical support department at **1-800-543-6163**.

| MODEL NUMBER   | VOLTS | KW   | AMPS  | TURN ON (GPM) | RECOMMENDED WIRE SIZE (CU) | # OF 0.5 AERATORS SUPPLIED/UNIT | WATER CONNECTIONS | COMPRESSION FITTINGS | TEMPERATURE RISE °F |         |         |
|--|-------|------|-------|---------------|----------------------------|---------------------------------|-------------------|----------------------|---------------------|---------|---------|
|  |       |      |       |               |                            |                                 |                   |                      | 0.5 GPM             | 1.0 GPM | 1.5 GPM |
| <b>ACCUMIX MT with 3/8" Compression Fittings at TOP of Unit</b>    |       |      |       |               |                            |                                 |                   |                      |                     |         |         |
| C <b>MT004120T</b>   | 120V  | 3.5  | 29A   | 0.3           | 10 AWG                     | 1                               | 3/8"              | Top                  | 48°                 | —       | —       |
| C <b>MT005240T</b>   | 240V  | 4.8  | 20A   | 0.3           | 12 AWG                     | 1                               | 3/8"              | Top                  | 64°                 | 31°     | 21°     |
| C <b>MT005240T</b> (derated 208V perf.)                            | 240V* | 3.6  | 17A   | 0.3           | 12 AWG                     | 1                               | 3/8"              | Top                  | 49°                 | 25°     | 16°     |
| C <b>MT007240T</b>   | 240V  | 6.5  | 27A   | 0.3           | 10 AWG                     | 2                               | 3/8"              | Top                  | †                   | 44°     | 30°     |
| C <b>MT007240T</b> (derated 208V perf.)                            | 240V* | 4.9  | 24A   | 0.3           | 10 AWG                     | 2                               | 3/8"              | Top                  | 66°                 | 33°     | 22°     |
| C <b>MT010240T</b>   | 240V  | 9.5  | 40A   | 0.3           | 8 AWG                      | 3                               | 3/8"              | Top                  | †                   | 65°     | 43°     |
| C <b>MT010240T</b> (derated 208V perf.)                            | 240V* | 7    | 34A   | 0.3           | 8 AWG                      | 3                               | 3/8"              | Top                  | †                   | 48°     | 32°     |
| <b>MT004277T</b>   | 277V  | 4.1  | 14.8A | 0.3           | 14 AWG                     | 1                               | 3/8"              | Top                  | 56°                 | 28°     | 19°     |
| <b>MT008277T</b>   | 277V  | 8.0  | 29A   | 0.3           | 10 AWG                     | 2                               | 3/8"              | Top                  | †                   | 55°     | 36°     |
| <b>MT010277T</b>   | 277V  | 10.0 | 40A   | 0.3           | 8 AWG                      | 3                               | 3/8"              | Top                  | †                   | 68°     | 46°     |
| <b>ACCUMIX MB with 1/2" Compression Fittings at BOTTOM of Unit</b> |       |      |       |               |                            |                                 |                   |                      |                     |         |         |
| C <b>MB004120T</b>   | 120V  | 3.5  | 29A   | 0.3           | 10 AWG                     | 1                               | 1/2"              | Bottom               | 48°                 | —       | —       |
| C <b>MB005240T</b>   | 240V  | 4.8  | 20A   | 0.3           | 12 AWG                     | 1                               | 1/2"              | Bottom               | 64°                 | 31°     | 21°     |
| C <b>MB005240T</b> (derated 208V perf.)                            | 240V* | 3.6  | 17A   | 0.3           | 12 AWG                     | 1                               | 1/2"              | Bottom               | 49°                 | 25°     | 16°     |
| C <b>MB007240T</b>   | 240V  | 6.5  | 27A   | 0.3           | 10 AWG                     | 2                               | 1/2"              | Bottom               | †                   | 44°     | 30°     |
| C <b>MB007240T</b> (derated 208V perf.)                            | 240V* | 4.9  | 24A   | 0.3           | 10 AWG                     | 2                               | 1/2"              | Bottom               | 66°                 | 33°     | 22°     |
| C <b>MB010240T</b>   | 240V  | 9.5  | 40A   | 0.3           | 8 AWG                      | 3                               | 1/2"              | Bottom               | †                   | 65°     | 43°     |
| C <b>MB010240T</b> (derated 208V perf.)                            | 240V* | 7    | 34A   | 0.3           | 8 AWG                      | 3                               | 1/2"              | Bottom               | †                   | 48°     | 32°     |
| C <b>MB012240T</b>   | 240V  | 11.5 | 50A   | 0.3           | 6 AWG                      | 4                               | 1/2"              | Bottom               | †                   | 79°     | 52°     |
| C <b>MB012240T</b> (derated 208V perf.)                            | 240V* | 8.7  | 42A   | 0.3           | 6 AWG                      | 4                               | 1/2"              | Bottom               | †                   | 59°     | 39°     |
| <b>MB004277T</b>   | 277V  | 4.1  | 14.8A | 0.3           | 14 AWG                     | 1                               | 1/2"              | Bottom               | 56°                 | 28°     | 19°     |
| <b>MB008277T</b>   | 277V  | 8.0  | 29A   | 0.3           | 10 AWG                     | 2                               | 1/2"              | Bottom               | †                   | 55°     | 36°     |
| <b>MB010277T</b>   | 277V  | 10.0 | 40A   | 0.3           | 8 AWG                      | 3                               | 1/2"              | Bottom               | †                   | 68°     | 46°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 208V to 240V single phase applied voltage. Check with local officials prior to derating the electrical infrastructure.

† Units are factory preset to not exceed 105°F.

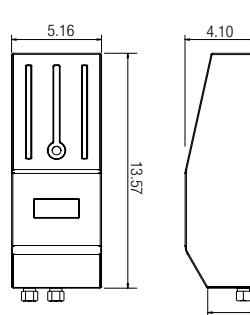
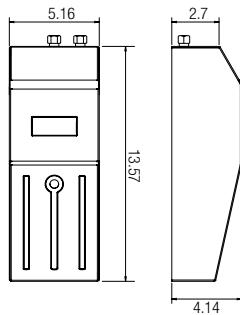
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.



MT



MB



# Point of Use “Non-Thermostatic”

Single Point and Flow Controlled (**Designed for cold water feed only**)

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Hand washing (0.35-2.0 GPM)
- Kitchen/bar/utility sinks
- Manufacturing facilities
- Public hand washing
- Hand set shower (0.7-2.0 GPM)
- Dual handwash sinks (DL option)
- Modular buildings and tenant spaces

### Performance Features

- On demand hot water. Flow switch activates heater only on demand (no standby heat loss). 99% efficient
- Endless hot water – no storage capacity to run out
- Easy installation. No T&P relief valve needed (check local codes). Only one cold water line need be brought to installation, mounts on wall
- High temperature limit switch with automatic reset
- Optional flow restricting aerator (for EX-DL models) ensures proper temperature rise. Standard with SP models
- Prevents Legionella bacteria growth
- Reduces calcification, liming and sedimentation
- Complies with handicap ADA physical installation requirements
- Ni Chrome element – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year

### Product Specifications

|                     |   |
|---------------------|---|
| Dimensions:         | 10.75" x 5.25" x 2.78"  |
| Weight:             | 4 lbs.  |
| Cover:              | ABS UL rated 94V0.  |
| Color:              | White   |
| Element:            | Replaceable cartridge insert  |
| Fittings:           | SP – 3/8" compression fitting at top of unit<br>EX – 1/2" (5/8" OD) compression fitting at bottom of unit |
| Operating Pressure: | Min. 25 PSI, max. 150 PSI   |
| UL Listed:          | E86887 (M)  |

U.S. Patent #'s: 4,762,980 and 4,960,976

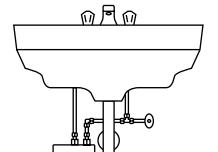
### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

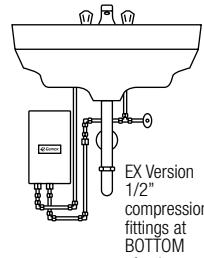


Pictured, EX: Bottom Water Connections

U.S. Patent #'s: 4,762,980 and 4,960,976



SP Version  
3/8" compression  
fittings at TOP  
of unit



EX Version  
1/2" compression  
fittings at  
BOTTOM  
of unit



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Non-Thermostatic model number \_\_\_\_\_.

Unit shall have ABS-UL 94V0 rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, nickel chrome material. Heater shall be fitted with compression fitting, 1/2" (5/8"OD) for model EX, or 3/8" fitting (1/2" OD) for model SP, to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal. NOTE: Refer to rating chart for product information.

Specification options available on EX models:

- |                                     |   |
|-------------------------------------|---|
| <input type="checkbox"/> <b>DL</b>  | Dual Lavs- supplied with two faucet aerators  |
| <input type="checkbox"/> <b>SL</b>  | Single Lav – supplied with 3/8" compression fittings (0.5 or 1.0 GPM aerator included). |
| <input type="checkbox"/> <b>N4</b>  | NEMA 4 waterproof cabinet w/powder coat finish  |
| <input type="checkbox"/> <b>N4X</b> | NEMA 4 stainless steel waterproof corrosion-resistant cabinet                           |

# Point of Use “Non-Thermostatic”

Single Point and Flow Controlled (Designed for cold water feed only)

## Specifications

Electric Tankless Hot Water Heater

Series 1  
Single Point and  
Flow Controlled

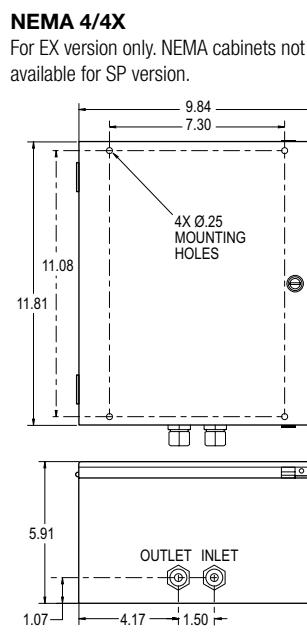
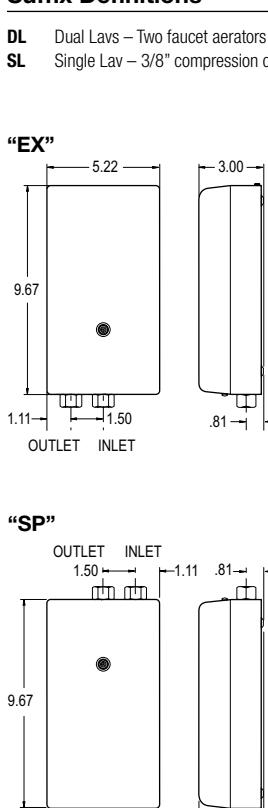
| MODEL NUMBER                        | kW    | AMPS | TURN ON (GPM) | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |          |         |         |  |
|-------------------------------------|-------|------|---------------|----------------------------|---------------------|----------|---------|---------|--|
|                                     |       |      |               |                            | 0.5 GPM             | 0.75 GPM | 1.0 GPM | 1.5 GPM |  |
| <b>VOLTS 120</b>                    |       |      |               |                            |                     |          |         |         |  |
| C <b>SP2412†</b>                    | 2.4kW | 20A  | 0.3           | 12 AWG                     | 33°                 | —        | —       | —       |  |
| C <b>EX2412</b>                     | 2.4kW | 20A  | 0.3           | 12 AWG                     | 33°                 | —        | —       | —       |  |
| C <b>SP3012†</b>                    | 3.0kW | 25A  | 0.3           | 10 AWG                     | 41°                 | —        | —       | —       |  |
| C <b>EX3012</b>                     | 3.0kW | 25A  | 0.3           | 10 AWG                     | 41°                 | —        | —       | —       |  |
| C <b>SP3512†</b>                    | 3.5kW | 29A  | 0.3           | 10 AWG                     | 48°                 | —        | —       | —       |  |
| C <b>EX3512</b>                     | 3.5kW | 29A  | 0.3           | 10 AWG                     | 48°                 | —        | —       | —       |  |
| <b>VOLTS 208 Single Phase</b>       |       |      |               |                            |                     |          |         |         |  |
| C <b>SP3208†</b>                    | 3.0kW | 15A  | 0.3           | 14 AWG                     | 41°                 | —        | —       | —       |  |
| C <b>EX3208</b>                     | 3.0kW | 15A  | 0.3           | 14 AWG                     | 41°                 | —        | —       | —       |  |
| C <b>SP4208†</b>                    | 4.1kW | 20A  | 0.3           | 12 AWG                     | 56°                 | —        | —       | —       |  |
| C <b>EX4208</b>                     | 4.1kW | 20A  | 0.3           | 12 AWG                     | 56°                 | —        | —       | —       |  |
| C <b>SP6208†</b>                    | 8.3kW | 40A  | 0.7           | 8 AWG                      | —                   | 76°      | 57°     | 38°     |  |
| C <b>SP6208 DL†</b>                 | 8.3kW | 40A  | 0.7           | 8 AWG                      | —                   | 76°      | 57°     | 38°     |  |
| C <b>EX6208</b>                     | 8.3kW | 40A  | 0.7           | 8 AWG                      | —                   | 76°      | 57°     | 38°     |  |
| C <b>EX6208 DL</b>                  | 8.3kW | 40A  | 0.7           | 8 AWG                      | —                   | 76°      | 57°     | 38°     |  |
| <b>VOLTS 240*</b>                   |       |      |               |                            |                     |          |         |         |  |
| C <b>SP35†</b>                      | 3.5kW | 15A  | 0.3           | 14 AWG                     | 48°                 | 32°      | 24°     | 16°     |  |
| C <b>SP35† (derated 208V perf.)</b> | 2.7kW | 13A  | 0.3           | *                          | 37°                 | 24°      | 18°     | 15°     |  |
| C <b>EX35</b>                       | 3.5kW | 15A  | 0.3           | 14 AWG                     | 48°                 | 32°      | 24°     | 16°     |  |
| C <b>EX35 (derated 208V perf.)</b>  | 2.7kW | 13A  | 0.3           | *                          | 37°                 | 24°      | 18°     | 15°     |  |
| C <b>EX35 SL</b>                    | 3.5kW | 15A  | 0.3           | 14 AWG                     | 48°                 | 32°      | 24°     | 16°     |  |
| C <b>SP48†</b>                      | 4.8kW | 20A  | 0.5           | 12 AWG                     | 64°                 | 42°      | 31°     | 21°     |  |
| C <b>SP48† (derated 208V perf.)</b> | 3.6kW | 17A  | 0.5           | *                          | 49°                 | 33°      | 25°     | 16°     |  |
| C <b>SP48 DL</b>                    | 4.8kW | 20A  | 0.5           | 12 AWG                     | 64°                 | 42°      | 31°     | 21°     |  |
| C <b>EX48</b>                       | 4.8kW | 20A  | 0.5           | 12 AWG                     | 64°                 | 42°      | 31°     | 21°     |  |
| C <b>EX48 (derated 208V perf.)</b>  | 3.6kW | 17A  | 0.5           | *                          | 49°                 | 33°      | 25°     | 16°     |  |
| C <b>EX48 SL</b>                    | 4.8kW | 20A  | 0.5           | 12 AWG                     | 64°                 | 42°      | 31°     | 21°     |  |
| C <b>EX48 DL</b>                    | 4.8kW | 20A  | 0.5           | 12 AWG                     | 64°                 | 42°      | 31°     | 21°     |  |
| C <b>SP55†</b>                      | 5.5kW | 23A  | 0.5           | 10 AWG                     | 75°                 | 50°      | 38°     | 25°     |  |
| C <b>SP55† (derated 208V perf.)</b> | 4.1kW | 20A  | 0.5           | *                          | 56°                 | 38°      | 28°     | 19°     |  |
| C <b>SP55 DL†</b>                   | 5.5kW | 23A  | 0.5           | 10 AWG                     | 75°                 | 50°      | 38°     | 25°     |  |
| C <b>EX55</b>                       | 5.5kW | 23A  | 0.5           | 10 AWG                     | 75°                 | 50°      | 38°     | 25°     |  |
| C <b>EX55 (derated 208V perf.)</b>  | 4.1kW | 20A  | 0.5           | *                          | 56°                 | 38°      | 28°     | 19°     |  |
| C <b>EX55 DL</b>                    | 5.5kW | 23A  | 0.5           | 10 AWG                     | 75°                 | 50°      | 38°     | 25°     |  |
| C <b>EX55 SL</b>                    | 5.5kW | 23A  | 0.5           | 10 AWG                     | 75°                 | 50°      | 38°     | 25°     |  |
| C <b>SP65†</b>                      | 6.5kW | 27A  | 0.7           | 10 AWG                     | —                   | 59°      | 44°     | 30°     |  |
| C <b>SP65† (derated 208V perf.)</b> | 4.9kW | 24A  | 0.7           | *                          | 66°                 | 44°      | 33°     | 22°     |  |
| C <b>SP65 DL†</b>                   | 6.5kW | 27A  | 0.7           | 10 AWG                     | —                   | 59°      | 44°     | 30°     |  |
| C <b>EX65</b>                       | 6.5kW | 27A  | 0.7           | 10 AWG                     | —                   | 59°      | 44°     | 30°     |  |
| C <b>EX65 (derated 208V perf.)</b>  | 4.9kW | 24A  | 0.7           | *                          | 66°                 | 44°      | 33°     | 22°     |  |
| C <b>EX65 DL</b>                    | 6.5kW | 27A  | 0.7           | 10 AWG                     | —                   | 59°      | 44°     | 30°     |  |
| C <b>EX65 SL</b>                    | 6.5kW | 27A  | 0.7           | 10 AWG                     | —                   | 59°      | 44°     | 30°     |  |
| C <b>SP75†</b>                      | 7.5kW | 32A  | 0.7           | 8 AWG                      | —                   | 68°      | 51°     | 34°     |  |
| C <b>SP75† (derated 208V perf.)</b> | 5.6kW | 27A  | 0.7           | *                          | 77°                 | 51°      | 38°     | 26°     |  |
| C <b>SP75 DL†</b>                   | 7.5kW | 32A  | 0.7           | 8 AWG                      | —                   | 68°      | 51°     | 34°     |  |
| C <b>EX75</b>                       | 7.5kW | 32A  | 0.7           | 8 AWG                      | —                   | 68°      | 51°     | 34°     |  |
| C <b>EX75 (derated 208V perf.)</b>  | 5.6kW | 27A  | 0.7           | *                          | 77°                 | 51°      | 38°     | 26°     |  |
| C <b>EX75 DL</b>                    | 7.5kW | 32A  | 0.7           | 8 AWG                      | —                   | 68°      | 51°     | 34°     |  |
| C <b>EX75 SL</b>                    | 7.5kW | 32A  | 0.7           | 8 AWG                      | —                   | 68°      | 51°     | 34°     |  |
| C <b>SP95†</b>                      | 9.5kW | 40A  | 0.7           | 8 AWG                      | —                   | 87°      | 65°     | 43°     |  |
| C <b>SP95† (derated 208V perf.)</b> | 7kW   | 34A  | 0.7           | *                          | 95°                 | 64°      | 48°     | 32°     |  |
| C <b>SP95 DL†</b>                   | 9.5kW | 40A  | 0.7           | 8 AWG                      | —                   | 87°      | 65°     | 43°     |  |
| C <b>EX95</b>                       | 9.5kW | 40A  | 0.7           | 8 AWG                      | —                   | 87°      | 65°     | 43°     |  |
| C <b>EX95 (derated 208V perf.)</b>  | 7kW   | 34A  | 0.7           | *                          | 95°                 | 64°      | 48°     | 32°     |  |
| C <b>EX95 DL</b>                    | 9.5kW | 40A  | 0.7           | 8 AWG                      | —                   | 87°      | 65°     | 43°     |  |
| C <b>EX95 SL</b>                    | 9.5kW | 40A  | 0.7           | 8 AWG                      | —                   | 87°      | 65°     | 43°     |  |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

† 3/8" compression fittings at top of unit

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

| MODEL NUMBER     | kW    | AMPS  | TURN ON (GPM) | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |          |         |         |  |
|------------------|-------|-------|---------------|----------------------------|---------------------|----------|---------|---------|--|
|                  |       |       |               |                            | 0.5 GPM             | 0.75 GPM | 1.0 GPM | 1.5 GPM |  |
| <b>VOLTS 277</b> |       |       |               |                            |                     |          |         |         |  |
| <b>SP3277†</b>   | 3.0kW | 11A   | 0.3           | 14 AWG                     | 41°                 | —        | —       | —       |  |
| <b>EX3277</b>    | 3.0kW | 11A   | 0.3           | 14 AWG                     | 41°                 | —        | —       | —       |  |
| <b>SP4277†</b>   | 4.1kW | 14.8A | 0.3           | 14 AWG                     | 56°                 | 37°      | 28°     | 19°     |  |
| <b>EX4277</b>    | 4.1kW | 14.8A | 0.3           | 14 AWG                     | 56°                 | 37°      | 28°     | 19°     |  |
| <b>SP60†</b>     | 6.0kW | 22A   | 0.7           | 10 AWG                     | —                   | 55°      | 41°     | 27°     |  |
| <b>SP60 DL†</b>  | 6.0kW | 22A   | 0.7           | 10 AWG                     | —                   | 55°      | 41°     | 27°     |  |
| <b>EX60</b>      | 6.0kW | 22A   | 0.7           | 10 AWG                     | —                   | 55°      | 41°     | 27°     |  |
| <b>EX60 SL</b>   | 6.0kW | 22A   | 0.7           | 10 AWG                     | —                   | 55°      | 41°     | 27°     |  |
| <b>EX60 DL</b>   | 6.0kW | 22A   | 0.7           | 10 AWG                     | —                   | 55°      | 41°     | 27°     |  |
| <b>SP80†</b>     | 8.0kW | 29A   | 0.7           | 10 AWG                     | —                   | 73°      | 55°     | 36°     |  |
| <b>SP80 DL†</b>  | 8.0kW | 29A   | 0.7           | 10 AWG                     | —                   | 73°      | 55°     | 36°     |  |
| <b>EX80</b>      | 8.0kW | 29A   | 0.7           | 10 AWG                     | —                   | 73°      | 55°     | 36°     |  |
| <b>EX80 SL</b>   | 8.0kW | 29A   | 0.7           | 10 AWG                     | —                   | 73°      | 55°     | 36°     |  |
| <b>EX80 DL</b>   | 8.0kW | 29A   | 0.7           | 10 AWG                     | —                   | 73°      | 55°     | 36°     |  |
| <b>SP90†</b>     | 9.0kW | 33A   | 0.7           | 8 AWG                      | —                   | 82°      | 61°     | 41°     |  |
| <b>SP90 DL†</b>  | 9.0kW | 33A   | 0.7           | 8 AWG                      | —                   | 82°      | 61°     | 41°     |  |
| <b>EX90</b>      | 9.0kW | 33A   | 0.7           | 8 AWG                      | —                   | 82°      | 61°     | 41°     |  |
| <b>EX90 SL</b>   | 9.0kW | 33A   | 0.7           | 8 AWG                      | —                   | 82°      | 61°     | 41°     |  |
| <b>EX90 DL</b>   | 9.0kW | 33A   | 0.7           | 8 AWG                      | —                   | 82°      | 61°     | 41°     |  |
| <b>SP100†</b>    | 10kW  | 36A   | 0.7           | 8 AWG                      | —                   | 91°      | 68°     | 46°     |  |
| <b>SP100 DL†</b> | 10kW  | 36A   | 0.7           | 8 AWG                      | —                   | 91°      | 68°     | 46°     |  |
| <b>EX100</b>     | 10kW  | 36A   | 0.7           | 8 AWG                      | —                   | 91°      | 68°     | 46°     |  |
| <b>EX100 SL</b>  | 10kW  | 36A   | 0.7           | 8 AWG                      | —                   | 91°      | 68°     | 46°     |  |
| <b>EX100 DL</b>  | 10kW  | 36A   | 0.7           | 8 AWG                      | —                   | 91°      | 68°     | 46°     |  |



# Point of Use "Thermostatic"

Micro Processing Temperature Control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Multi lav configurations (up to three) ideal for sensor or metering faucets (ML option)
- Emergency eye wash fountains (EE option)
- Dishwashers, commercial kitchens
- Low volume showers

### Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save Water – “Point of Use”
- Eliminate costly mixing valves (check local codes)
- Continuous hot water. No storage capacity to run out
- Eliminate lag time in long pipe runs
- Booster up to 180°F (S option)
- Easy installation. Only one cold or hot water line need be brought to installation – integral compression fittings for 1/2" pipe (5/8" OD) on bottom (no sweat connections)
- Microprocessor temperature control for thermostatic accuracy +/-1°F. Fully adjustable temperature range between 100-140°. Special settings of higher or lower range available upon request. (see Specification Options)
- Reduces installation cost and materials. No T&P relief valve needed (check local codes)
- Prevents Legionella bacteria growth
- Reduces calcification, liming and sedimentation
- Compact size
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year
- High temperature limit switch (ECO)

### Product Specifications

**Dimensions:** 10.75"x 5.25"x 2.875"

**Weight:** 4 lbs.

**Cover:** ABS UL rated 94Vo.

**Color:** White

**Std. Temp. Range** 100°F-140°F

**Element:** Replaceable Ni Chrome cartridge insert

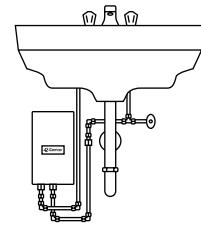
**Fittings:** 1/2" pipe compression fittings at bottom of unit. (5/8" OD)

**UL Listed:** E86887 (M)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Thermostatic model number EX\_\_\_\_\_.

Unit shall have ABS-UL 94Vo rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" pipe compression nuts (5/8" OD) to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

Specification options to be included with EX models:

- |                                     |   |
|-------------------------------------|---|
| <input type="checkbox"/> <b>EE</b>  | Emergency Eyewash. Meets ANSI tepid water requirements. Max. temperature 90°F                   |
| <input type="checkbox"/> <b>FS</b>  | Factory Set. Customer specified factory-set not to exceed temperature ambient to 180°F          |
| <input type="checkbox"/> <b>ML</b>  | Multiple Lavatory. Factory preset to 110°F with 0.3 GPM turn on for sensor and metering faucets |
| <input type="checkbox"/> <b>S</b>   | Sanitation. Factory preset not to exceed temperature of 180°F                                   |
| <input type="checkbox"/> <b>N4</b>  | NEMA 4 waterproof cabinet w/powder coat finish  |
| <input type="checkbox"/> <b>N4X</b> | NEMA 4 stainless steel waterproof corrosion-resistant cabinet                                   |

# Point of Use “Thermostatic”

Micro Processing Temperature Control

## Specifications

Electric Tankless Hot Water Heater

Series 1  
Thermostatic

| MODEL NUMBER                   | KW     | AMPS | TURN ON (GPM) | REC'D WIRE SIZE (CU) | TEMPERATURE RISE °F |          |         |         |         |  |  |
|--------------------------------|--------|------|---------------|----------------------|---------------------|----------|---------|---------|---------|--|--|
|                                |        |      |               |                      | 0.5 GPM             | 0.75 GPM | 1.0 GPM | 1.5 GPM | 2.0 GPM |  |  |
| <b>VOLTS 120</b>               |        |      |               |                      |                     |          |         |         |         |  |  |
| C EX2412T                      | 2.4kW  | 20A  | 0.3           | 12 AWG               | 33°                 | 22°      | 16°     | 11°     | 8°      |  |  |
| C EX2412T EE                   | 2.4kW  | 20A  | 0.3           | 12 AWG               | 33°                 | 22°      | 16°     | 11°     | 8°      |  |  |
| C EX2412T FS                   | 2.4kW  | 20A  | 0.3           | 12 AWG               | 33°                 | 22°      | 16°     | 11°     | 8°      |  |  |
| C EX2412T S                    | 2.4kW  | 20A  | 0.3           | 12 AWG               | 33°                 | 22°      | 16°     | 11°     | 8°      |  |  |
| C EX3012T                      | 3.0kW  | 25A  | 0.3           | 10 AWG               | 41°                 | 27°      | 20°     | 14°     | 10°     |  |  |
| C EX3012T EE                   | 3.0kW  | 25A  | 0.3           | 10 AWG               | 41°                 | 27°      | 20°     | 14°     | 10°     |  |  |
| C EX3012T FS                   | 3.0kW  | 25A  | 0.3           | 10 AWG               | 41°                 | 27°      | 20°     | 14°     | 10°     |  |  |
| C EX3012T S                    | 3.0kW  | 25A  | 0.3           | 10 AWG               | 41°                 | 27°      | 20°     | 14°     | 10°     |  |  |
| C EX3512 T                     | 3.5kW  | 29A  | 0.3           | 10 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX3512 T EE                  | 3.5kW  | 29A  | 0.3           | 10 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX3512 T FS                  | 3.5kW  | 29A  | 0.3           | 10 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX3512 T ML                  | 3.5kW  | 29A  | 0.3           | 10 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX3512 T S                   | 3.5kW  | 29A  | 0.3           | 10 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| <b>VOLTS 240*</b>              |        |      |               |                      |                     |          |         |         |         |  |  |
| C EX35T                        | 3.5kW  | 15A  | 0.3           | 14 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX35T (derated 208V perf.)   | 2.7kW  | 13A  | 0.3           | 14 AWG               | 37°                 | 24°      | 18°     | 1.5°    | 9°      |  |  |
| C EX35T EE                     | 3.5kW  | 15A  | 0.3           | 14 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX35T FS                     | 3.5kW  | 15A  | 0.3           | 14 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX35T ML                     | 3.5kW  | 15A  | 0.3           | 14 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX35T S                      | 3.5kW  | 15A  | 0.3           | 14 AWG               | 48°                 | 32°      | 24°     | 16°     | 12°     |  |  |
| C EX48T                        | 4.8kW  | 20A  | 0.3           | 12 AWG               | 64°                 | 42°      | 31°     | 21°     | 16°     |  |  |
| C EX48T (derated 208V perf.)   | 3.6kW  | 17A  | 0.3           | 12 AWG               | 49°                 | 33°      | 25°     | 16°     | 12°     |  |  |
| C EX48T EE                     | 4.8kW  | 20A  | 0.3           | 12 AWG               | 64°                 | 42°      | 31°     | 21°     | 16°     |  |  |
| C EX48T FS                     | 4.8kW  | 20A  | 0.3           | 12 AWG               | 64°                 | 42°      | 31°     | 21°     | 16°     |  |  |
| C EX48T ML                     | 4.8kW  | 20A  | 0.3           | 12 AWG               | 64°                 | 42°      | 31°     | 21°     | 16°     |  |  |
| C EX48T S                      | 4.8kW  | 20A  | 0.3           | 12 AWG               | 64°                 | 42°      | 31°     | 21°     | 16°     |  |  |
| C EX55T                        | 5.5kW  | 23A  | 0.3           | 10 AWG               | 75°                 | 50°      | 38°     | 25°     | 19°     |  |  |
| C EX55T (derated 208V perf.)   | 4.1kW  | 20A  | 0.3           | 10 AWG               | 56°                 | 38°      | 28°     | 19°     | 17°     |  |  |
| C EX55T EE                     | 5.5kW  | 23A  | 0.3           | 10 AWG               | 75°                 | 50°      | 38°     | 25°     | 19°     |  |  |
| C EX55T FS                     | 5.5kW  | 23A  | 0.3           | 10 AWG               | 75°                 | 50°      | 38°     | 25°     | 19°     |  |  |
| C EX55T ML                     | 5.5kW  | 23A  | 0.3           | 10 AWG               | 75°                 | 50°      | 38°     | 25°     | 19°     |  |  |
| C EX55T S                      | 5.5kW  | 23A  | 0.3           | 10 AWG               | 75°                 | 50°      | 38°     | 25°     | 19°     |  |  |
| C EX65T                        | 6.5kW  | 27A  | 0.7           | 10 AWG               | —                   | 59°      | 44°     | 30°     | 22°     |  |  |
| C EX65T (derated 208V perf.)   | 4.9kW  | 24A  | 0.7           | 10 AWG               | —                   | 44°      | 33°     | 22°     | 17°     |  |  |
| C EX65T EE                     | 6.5kW  | 27A  | 0.7           | 10 AWG               | —                   | 59°      | 44°     | 30°     | 22°     |  |  |
| C EX65T FS                     | 6.5kW  | 27A  | 0.7           | 10 AWG               | —                   | 59°      | 44°     | 30°     | 22°     |  |  |
| C EX65T ML                     | 6.5kW  | 27A  | 0.7           | 10 AWG               | —                   | 59°      | 44°     | 30°     | 22°     |  |  |
| C EX65T S                      | 6.5kW  | 27A  | 0.7           | 10 AWG               | —                   | 59°      | 44°     | 30°     | 22°     |  |  |
| C EX75T                        | 7.5kW  | 32A  | 0.7           | 8 AWG                | —                   | 68°      | 51°     | 34°     | 26°     |  |  |
| C EX75T (derated 208V perf.)   | 5.6kW  | 27A  | 0.7           | 8 AWG                | —                   | 51°      | 38°     | 26°     | 19°     |  |  |
| C EX75T EE                     | 7.5kW  | 32A  | 0.7           | 8 AWG                | —                   | 68°      | 51°     | 34°     | 26°     |  |  |
| C EX75T FS                     | 7.5kW  | 32A  | 0.7           | 8 AWG                | —                   | 68°      | 51°     | 34°     | 26°     |  |  |
| C EX75T ML                     | 7.5kW  | 32A  | 0.3           | 8 AWG                | +                   | 68°      | 51°     | 34°     | 26°     |  |  |
| C EX75T S                      | 7.5kW  | 32A  | 0.7           | 8 AWG                | —                   | 68°      | 51°     | 34°     | 26°     |  |  |
| C EX95T                        | 9.5kW  | 40A  | 0.7           | 8 AWG                | —                   | 87°      | 65°     | 43°     | 32°     |  |  |
| C EX95T (derated 208V perf.)   | 7kW    | 34A  | 0.7           | 8 AWG                | —                   | 64°      | 48°     | 32°     | 24°     |  |  |
| C EX95T EE                     | 9.5kW  | 40A  | 0.7           | 8 AWG                | —                   | 87°      | 65°     | 43°     | 32°     |  |  |
| C EX95T FS                     | 9.5kW  | 40A  | 0.7           | 8 AWG                | —                   | 87°      | 65°     | 43°     | 32°     |  |  |
| C EX95T ML                     | 9.5kW  | 40A  | 0.3           | 8 AWG                | —                   | 87°      | 65°     | 43°     | 32°     |  |  |
| C EX95T S                      | 9.5kW  | 40A  | 0.7           | 8 AWG                | —                   | 87°      | 65°     | 43°     | 32°     |  |  |
| EX012240T                      | 11.5kW | 48A  | 0.7           | 6 AWG                | —                   | 104°     | 79°     | 52°     | 39°     |  |  |
| EX012240T (derated 208V perf.) | 8.7kW  | 42A  | 0.7           | 6 AWG                | —                   | 79°      | 59°     | 39°     | 30°     |  |  |
| EX012240T EE                   | 11.5kW | 48A  | 0.7           | 6 AWG                | —                   | 104°     | 79°     | 52°     | 39°     |  |  |
| EX012240T FS                   | 11.5kW | 48A  | 0.7           | 6 AWG                | —                   | 104°     | 79°     | 52°     | 39°     |  |  |
| EX012240T ML                   | 11.5kW | 48A  | 0.3           | 6 AWG                | —                   | 104°     | 79°     | 52°     | 39°     |  |  |
| EX012240T S                    | 11.5kW | 48A  | 0.7           | 6 AWG                | —                   | 104°     | 79°     | 52°     | 39°     |  |  |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage.

Check with local officials prior to derating the electrical infrastructure.

+ Temperature electronically limited to factory preset not to exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

| MODEL NUMBER | KW | AMPS | TURN ON (GPM) | REC'D WIRE SIZE (CU) | TEMPERATURE RISE °F |          |         |         |         |  |
|--------------|----|------|---------------|----------------------|---------------------|----------|---------|---------|---------|--|
|              |    |      |               |                      | 0.5 GPM             | 0.75 GPM | 1.0 GPM | 1.5 GPM | 2.0 GPM |  |

|                               |       |     |     |        |     |     |     |     |     |  |  |
|-------------------------------|-------|-----|-----|--------|-----|-----|-----|-----|-----|--|--|
| <b>VOLTS 208 Single Phase</b> |       |     |     |        |     |     |     |     |     |  |  |
| C EX3208T                     | 3.0kW | 15A | 0.3 | 14 AWG | 41° | —   | —   | —   | —   |  |  |
| C EX3208T ML                  | 3.0kW | 15A | 0.3 | 14 AWG | 41° | —   | —   | —   | —   |  |  |
| C EX4208T                     | 4.1kW | 20A | 0.3 | 12 AWG | 56° | 37° | 28° | 18° | 14° |  |  |
| C EX4208T EE                  | 4.1kW | 20A | 0.3 | 12 AWG | 56° | 37° | 28° | 18° | 14° |  |  |
| C EX4208T FS                  | 4.1kW | 20A | 0.3 | 12 AWG | 56° | 37° | 28° | 18° | 14° |  |  |
| C EX4208T ML                  | 4.1kW | 20A | 0.3 | 12 AWG | 56° | 37° | 28° | 18° | 14° |  |  |
| C EX4208T S                   | 4.1kW | 20A | 0.7 | 8 AWG  | —   | 76° | 57° | 38° | 28° |  |  |
| C EX8208T                     | 8.3kW | 40A | 0.7 | 8 AWG  | —   | 76° | 57° | 38° | 28° |  |  |
| C EX8208T EE                  | 8.3kW | 40A | 0.7 | 8 AWG  | —   | 76° | 57° | 38° | 28° |  |  |
| C EX8208T FS                  | 8.3kW | 40A | 0.7 | 8 AWG  | —   | 76° | 57° | 38° | 28° |  |  |
| C EX8208T ML                  | 8.3kW | 40A | 0.3 | 8 AWG  | +   | 76° | 57° | 38° | 28° |  |  |
| C EX8208T S                   | 8.3kW | 40A | 0.7 | 8 AWG  | —   | 76° | 57° | 38° | 28° |  |  |

|                  |       |       |     |        |     |     |         |     |     |  |  |
|------------------|-------|-------|-----|--------|-----|-----|---------|-----|-----|--|--|
| <b>VOLTS 277</b> |       |       |     |        |     |     |         |     |     |  |  |
| EX3277T          | 3.0kW | 11A   | 0.3 | 14 AWG | 41° | —   | —       | —   | —   |  |  |
| EX3277T EE       | 3.0kW | 11A   | 0.3 | 14 AWG | 41° | —   | —       | —   | —   |  |  |
| EX3277T FS       | 3.0kW | 11A   | 0.3 | 14 AWG | 41° | —   | —       | —   | —   |  |  |
| EX3277T ML       | 3.0kW | 11A   | 0.3 | 14 AWG | 41° | —   | —       | —   | —   |  |  |
| EX3277T S        | 3.0kW | 11A   | 0.3 | 14 AWG | 41° | —   | —       | —   | —   |  |  |
| EX4277T          | 4.1kW | 14.8A | 0.3 | 14 AWG | 56° | 37° | 28°     | 19° | 14° |  |  |
| EX4277T EE       | 4.1kW | 14.8A | 0.3 | 14 AWG | 56° | 37° | 28°     | 19° | 14° |  |  |
| EX4277T FS       | 4.1kW | 14.8A | 0.3 | 14 AWG | 56° | 37° | 28°     | 19° | 14° |  |  |
| EX4277T ML       | 4.1kW | 14.8A | 0.3 | 14 AWG | 56° | 37° | 28°     | 19° | 14° |  |  |
| EX4277T S        | 4.1kW | 14.8A | 0.3 | 14 AWG | 56° | 37° | 28°     | 19° | 14° |  |  |
| EX60T            | 6.0kW | 22A   | 0.7 | 10 AWG | —   | 55° | 41°     | 27° | 20° |  |  |
| EX60T EE         | 6.0kW | 22A   | 0.7 | 10 AWG | —   | 55° | 41°     | 27° | 20° |  |  |
| EX60T FS         | 6.0kW | 22A   | 0.7 | 10 AWG | —   | 55° | 41°     | 27° | 20° |  |  |
| EX60T ML         | 6.0kW | 22A   | 0.3 | 10 AWG | 81° | 55° | 41°     | 27° | 20° |  |  |
| EX60T S          | 6.0kW | 22A   | 0.7 | 10 AWG | —   | 55° | 41°     | 27° | 20° |  |  |
| EX80T            | 8.0kW | 29A   | 0.7 | 10 AWG | —   | 73° | 55°     | 36° | 27° |  |  |
| EX80T EE         | 8.0kW | 29A   | 0.7 | 10 AWG | —   | 73° | 55°     | 36° | 27° |  |  |
| EX80T FS         | 8.0kW | 29A   | 0.7 | 10 AWG | —   | 73° | 55°     | 36° | 27° |  |  |
| EX80T ML         | 8.0kW | 29A   | 0.3 | 10 AWG | +   | 73° | 55°     | 36° | 27° |  |  |
| EX80T S          | 8.0kW | 29A   | 0.7 | 10 AWG | —   | 73° | 55°     | 36° | 27° |  |  |
| EX90T            | 9.0kW | 33A   | 0.7 | 8 AWG  | —   | 82° | 61°     | 41° | 31° |  |  |
| EX90T EE         | 9.0kW | 33A   | 0.7 | 8 AWG  | —   | 82° | 61°</td |     |     |  |  |

# Mini-Tank Series

1.5, 2.5, 4 and 6 Gallon Mini Tanks Deliver Hot Water Efficiently

## Specifications

Electric Mini-Tank Hot Water Heater

### Performance Features

- Point-of-use heating eliminates long hot water pipe runs
- Compact design fits virtually anywhere
- Easy and ready to install
- Hot or cold water feed
- Adjustable temperature control 50°-140°F
- T&P relief valve included
- Glass lined tank for extended life
- Floor and wall mountable, bracket included
- Field replaceable element
- ETL tested to UL174 and NSF372
- EMT1, EMT2.5 and EMT4 plug into standard outlets, cord included. EMT6 must be hard wired, pig tail included
- Single weld design
- Tank status indicator light –  
Green: ready mode  
Red: heating mode
- Warranty, five (5) years limited on leaks, two (2) years on defects



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Product Specifications

- Voltage: 120 volts
- Amperage: 12 amps
- Heating Capacity: 1440 watts
- Phase: Single
- Temperatures: 50°-140°F
- Max. Operating Pressure: 150 PSI

| Tank   | Volume | Weight | Recovery time based on 60° temp. rise |
|--------|--------|--------|---------------------------------------|
|        | (gals) | (lbs.) | Fittings                              |
| EMT1   | 1.5    | 11.7   | 1/2" NPT connections at TOP of unit   |
| EMT2.5 | 2.5    | 15.5   | 1/2" NPT connections at TOP of unit   |
| EMT4   | 4      | 19.3   | 1/2" NPT connections at TOP of unit   |
| EMT6   | 6      | 24.9   | 3/4" NPT connections at TOP of unit   |

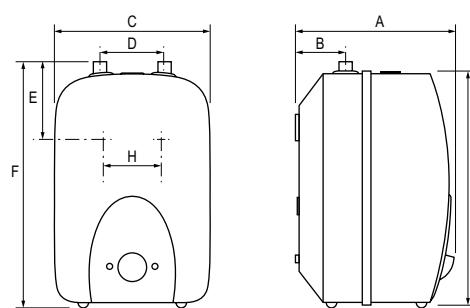
### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Water heater shall be an Eemax Mini-Tank model number EMT\_\_\_\_\_.

Unit shall be glass lined with a single weld design. Water connections and supplied T&P valve to be located on top of the unit. Unit shall have an status indicator light with adjustable thermostat. Unit to have a 5 year warranty against leaks.



| Dimensions | EMT1        | EMT2.5      | EMT4        | EMT6        |
|------------|-------------|-------------|-------------|-------------|
| Key        | inch mm     | inch mm     | inch mm     | inch mm     |
| A          | 9.95 252.7  | 11.23 285.2 | 12.88 327.2 | 14.36 364.7 |
| B          | 3.15 80.0   | 3.13 79.5   | 4.06 103.1  | 3.46 87.9   |
| C          | 9.71 246.6  | 10.89 276.6 | 12.27 311.7 | 13.85 351.8 |
| D          | 3.94 100.1  | 3.94 100.1  | 3.94 100.1  | 3.94 100.1  |
| E          | 5.08 129.0  | 5.61 142.5  | 6.46 164.1  | 7.52 191.0  |
| F          | 15.09 383.3 | 16.91 429.5 | 18.27 464.1 | 20.96 532.4 |
| G          | 14.19 360.4 | 15.98 405.9 | 17.41 442.2 | 19.81 503.2 |
| H*         | 2.52 64.0   | 2.52 64.0   | 2.52 64.0   | 2.52 64.0   |

\*Mounting bracket location on the back of unit

# Mini-Tank Series

1.5, 2.5, 4 and 6 Gallon Mini Tanks Deliver Hot Water Efficiently

## Specifications

Electric Mini-Tank Hot Water Heater

### Eemax Mini Tank Installation

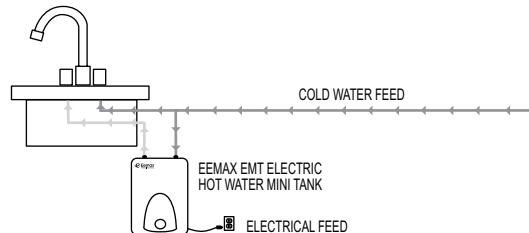
Save water by eliminating the wait for hot water to reach the faucet. Simply tap into the water line and install the heater directly at the sink. No need for costly recirculating lines and pumps. And when you want to eliminate the wait for hot water but need more volume, install the Eemax heater in-line with a larger hot water source, such as a tankless heater or a storage tank heater. Lightweight and compact.

| MODEL NUMBER     | KW  | TANK VOLUME | DIMENSIONS                      | WATER CONNECTIONS | RELIEF VALVE | SHIPPING WEIGHT | PLUG IN |
|------------------|-----|-------------|---------------------------------|-------------------|--------------|-----------------|---------|
| <b>VOLTS 120</b> |     |             |                                 |                   |              |                 |         |
| C <b>EMT1</b>    | 1.4 | 1.5 gallons | 12.5" H x 11" W x 10" D         | 1/2" NPT          | Included     | 12.5 lbs.       | Yes     |
| C <b>EMT2.5</b>  | 1.4 | 2.5 gallons | 14.5" H x 11.75" W x 10.375" D  | 1/2" NPT          | Included     | 20 lbs.         | Yes     |
| C <b>EMT4</b>    | 1.4 | 4.0 gallons | 19.25" H x 11.75" W x 10.375" D | 1/2" NPT          | Included     | 24 lbs.         | Yes     |
| C <b>EMT6</b>    | 1.4 | 6.0 gallons | 18" H x 15.75" W x 15.5" D      | 3/4" NPT          | Included     | 26 lbs.         | No*     |

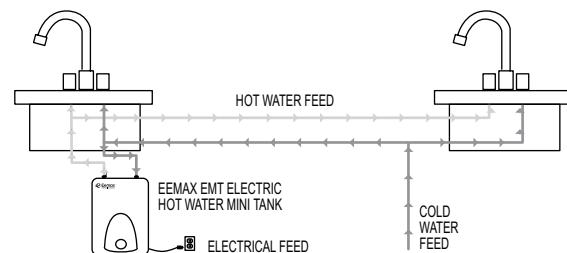
\*C" indicates evaluation and compliance to Intertek (ETL) under CAN/CSA-C22.2 No. 10. \*Pigtail included.

### Sample Installations

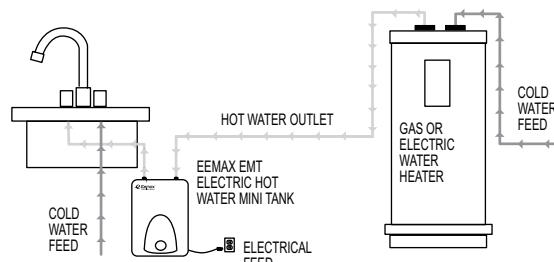
#### Standalone Point-of-Use Heating Application



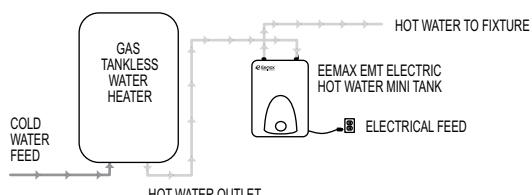
#### Standalone Point-of-Use Multi fixture Application



#### Point-of-Use Booster Heating Application from Central Tank Heating System



#### Cure for "Cold Water Sandwich" Gas Tankless Heating Application



# HomeAdvantage II

For Single Point-of-Use or Multiple Applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Water-Saver Shower Head 1.5 GPM
- Standard Shower Head 2.0 GPM
- Standard Hand Sink 0.5 GPM
- Kitchen Sink 1 to 2 GPM
- Bath Tub ≥ 4 GPM
- Dishwasher 1 to 2 GPM
- Washing Machine 1 to 1.5 GPM

Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

### Performance Features

- Instant, consistent and endless hot water
- Compact, resistant and stylish with digital temperature control in increments of 1°F ranging from 80°F to 140°F
- 99.8% energy efficient
- Copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Digital temperature display
- External controls to adjust temperature in increments of 1°F.

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax HomeAdvantage II model number HA\_\_\_\_\_.



HA008240/HA011240/HA013240



HA018240



HA024240/HA027240



HA036240



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# HomeAdvantage II

For Single Point-of-Use or Multiple Applications

## Specifications

Electric Tankless Hot Water Heater

| MODEL NUMBER                                 | KW   | AMPS       | RECOMMENDED WIRE SIZE (CU) | TURN ON (GPM) | MIN. FLOW (GPM) | MAX. FLOW (GPM) | TEMPERATURE RISE °F |         |         |         |         |         |         |         |
|--|------|------------|----------------------------|---------------|-----------------|-----------------|---------------------|---------|---------|---------|---------|---------|---------|---------|
|  |      |            |                            |               |                 |                 | 1.0 GPM             | 1.5 GPM | 2.0 GPM | 2.5 GPM | 3.0 GPM | 4.0 GPM | 5.0 GPM | 6.0 GPM |
| <b>240V* 1 MODULES</b>                       |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>HA008240</b>                            | 8.0  | 33(1x40)A  | 8 AWG                      | 0.3           | 0.3             | 4.8             | 55°                 | 36°     | 27°     | 22°     | 18°     | —       | —       | —       |
| C <b>HA008240</b> (derated 208V performance) | 5.8  | 28A        | *                          | 0.3           | 0.3             | 4.8             | 40°                 | 27°     | 20°     | —       | —       | —       | —       | —       |
| C <b>HA011240</b>                            | 11.0 | 46(1x50)A  | 6 AWG                      | 0.3           | 0.3             | 4.8             | 75°                 | 50°     | 38°     | 30°     | 25°     | —       | —       | —       |
| C <b>HA011240</b> (derated 208V performance) | 8.2  | 29A        | *                          | 0.3           | 0.3             | 4.8             | 56°                 | 37°     | 28°     | —       | —       | —       | —       | —       |
| C <b>HA013240</b>                            | 13.0 | 54(1x60)A  | 6 AWG                      | 0.3           | 0.3             | 4.8             | 89°                 | 59°     | 44°     | 36°     | 30°     | 22°     | —       | —       |
| C <b>HA013240</b> (derated 208V performance) | 10.1 | 49(1x60)A  | *                          | 0.3           | 0.3             | 4.8             | 69°                 | 46°     | 34°     | —       | —       | —       | —       | —       |
| <b>240V* 2 MODULES</b>                       |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>HA018240</b>                            | 18.0 | 75(2x38)A  | 8 AWG                      | 0.3           | 0.3             | 7.0             | +                   | 82°     | 62°     | 49°     | 41°     | 31°     | 25°     | —       |
| C <b>HA018240</b> (derated 208V performance) | 13.3 | 64(2x32)A  | *                          | 0.3           | 0.3             | 7.0             | 90°                 | 60°     | 45°     | 36°     | 30°     | —       | —       | —       |
| <b>240V* 3 MODULES</b>                       |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>HA024240</b>                            | 24.0 | 100(3x33)A | 8 AWG                      | 0.3           | 0.3             | 7.0             | +                   | +       | 82°     | 66°     | 55°     | 41°     | 33°     | 27°     |
| C <b>HA024240</b> (derated 208V performance) | 17.5 | 84(3x28)A  | *                          | 0.3           | 0.3             | 7.0             | +                   | +       | 60°     | 48°     | 40°     | 30°     | 24°     | 20°     |
| C <b>HA027240</b>                            | 27.0 | 112(3x37)A | 8 AWG                      | 0.3           | 0.3             | 7.0             | +                   | +       | 92°     | 74°     | 62°     | 46°     | 37°     | 31°     |
| C <b>HA027240</b> (derated 208V performance) | 20   | 96(3x32)A  | *                          | 0.3           | 0.3             | 7.0             | +                   | +       | 68°     | 55°     | 45°     | 34°     | 27°     | 23°     |
| <b>240V* 4 MODULES</b>                       |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>HA036240</b>                            | 36.0 | 150(4x38)A | 8 AWG                      | 0.3           | 0.3             | 8.0             | +                   | +       | +       | 98°     | 82°     | 62°     | 49°     | 41°     |
| C <b>HA036240</b> (derated 208V performance) | 26.6 | 127(4x32)A | *                          | 0.3           | 0.3             | 8.0             | +                   | +       | 91      | 73°     | 61°     | 45°     | 36°     | 30°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electronically limited setting on adjustable thermostat on front cover

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

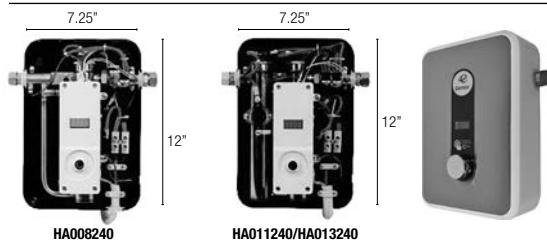
|  |                            |                               |
|--|----------------------------|-------------------------------|
| <b>Product Specifications (all models)</b> | <b>Rated Pressure</b>      | 25 PSI min., 150 PSI max.     |
|  | <b>Certifications</b>      | ETL Listed to UL 499 and CSA  |
|  | <b>Std. Temp. Settings</b> | 120°F (Adjustable 80°F-140°F) |
|  | <b>Temp. Accuracy</b>      | +/-1° at steady state flow    |
|  | <b>Max Flow Rate</b>       | 7 GPM @ 60 PSI                |
|  | <b>Turn-On</b>             | 0.3 GPM                       |

### HA008240/HA011240/HA013240

**Size** 11.75"H x 7.25"W x 3.75"D

**Weight** 8 kw: 4.75 lbs. 11 kw/13 kw: 7 lbs.

**Unique Features** Solid, hand-welded exchanger, 1/2" NPT adapters, 3 foot electric cable and 1/2" compression fittings for water connectors included

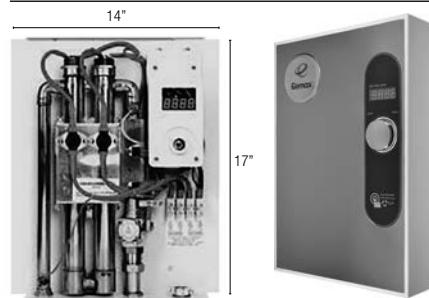


### HA018240

**Size** 17"H x 14"W x 3.75"D

**Weight** 11.25 lbs.

**Unique Features** Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation

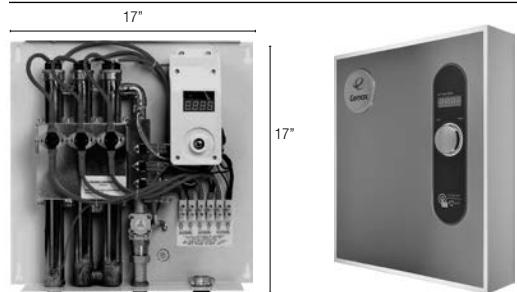


### HA024240/HA027240

**Size** 17"H x 17"W x 3.75"D

**Weight** 13.75 lbs.

**Unique Features** Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation

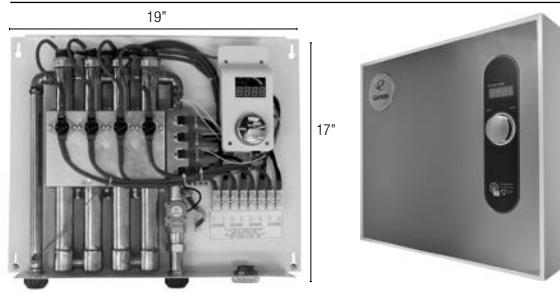


### HA036240

**Size** 17"H x 19"W x 3.75"D

**Weight** 17.4 lbs.

**Unique Features** Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



# ProSeries

For Single Point-of-Use or Multiple Applications in Commercial Applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Hand washing 0.5-2.2 gpm
- Standard Hand Sink 0.5 GPM
- Kitchen Sink or Mop Sink 4+ GPM
- Dishwasher 1 to 2 GPM

Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

### Performance Features

- Instant, consistent and endless hot water
- Protected internal temperature control
- 99.8% energy efficient
- Copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Internal temperature control adjust in increments of 1°
- Temperature range 80°-140°F

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163.**

### Suggested Specification

Tankless water heater shall be an Eemax ProSeries model number PRO\_\_\_\_\_.



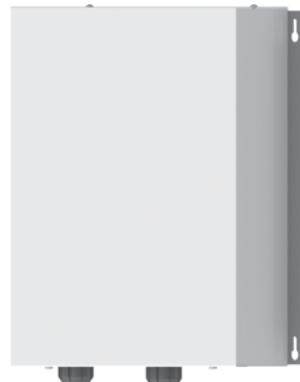
PRO008240/PR011240/PR013240



PR0018240



PRO024240/PRO027240



PR0036240



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# ProSeries

For Single Point-of-Use or Multiple Applications in Commercial Applications

## Specifications

Electric Tankless Hot Water Heater

| MODEL NUMBER                                  | KW   | AMPS       | RECOMMENDED WIRE SIZE (CU) | TURN ON (GPM) | MIN. FLOW (GPM) | MAX. FLOW (GPM) | TEMPERATURE RISE °F |         |         |         |         |         |         |         |
|---|------|------------|----------------------------|---------------|-----------------|-----------------|---------------------|---------|---------|---------|---------|---------|---------|---------|
|   |      |            |                            |               |                 |                 | 1.0 GPM             | 1.5 GPM | 2.0 GPM | 2.5 GPM | 3.0 GPM | 4.0 GPM | 5.0 GPM | 6.0 GPM |
| <b>240V* 1 MODULES</b>                        |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>PR0008240</b>                            | 8.0  | 33(1x40)A  | 8 AWG                      | 0.3           | 0.3             | 4.8             | 55°                 | 36°     | 27°     | 22°     | 18°     | —       | —       | —       |
| C <b>PR0008240</b> (derated 208V performance) | 5.8  | 28A        | *                          | 0.3           | 0.3             | 4.8             | 40°                 | 27°     | 20°     | —       | —       | —       | —       | —       |
| C <b>PR0011240</b>                            | 11.0 | 46(1x50)A  | 6 AWG                      | 0.3           | 0.3             | 4.8             | 75°                 | 50°     | 38°     | 30°     | 25°     | —       | —       | —       |
| C <b>PR0011240</b> (derated 208V performance) | 8.2  | 29A        | *                          | 0.3           | 0.3             | 4.8             | 56°                 | 37°     | 28°     | —       | —       | —       | —       | —       |
| C <b>PR0013240</b>                            | 13.0 | 54(1x60)A  | 6 AWG                      | 0.3           | 0.3             | 4.8             | 89°                 | 59°     | 44°     | 36°     | 30°     | 22°     | —       | —       |
| C <b>PR0013240</b> (derated 208V performance) | 10.1 | 49(1x60)A  | *                          | 0.3           | 0.3             | 4.8             | 69°                 | 46°     | 34°     | —       | —       | —       | —       | —       |
| <b>240V* 2 MODULES</b>                        |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>PR0018240</b>                            | 18.0 | 75(2x38)A  | 8 AWG                      | 0.3           | 0.3             | 7.0             | +                   | 82°     | 62°     | 49°     | 41°     | 31°     | 25°     | —       |
| C <b>PR0018240</b> (derated 208V performance) | 13.3 | 64(2x32)A  | *                          | 0.3           | 0.3             | 7.0             | 90°                 | 60°     | 45°     | 36°     | 30°     | —       | —       | —       |
| <b>240V* 3 MODULES</b>                        |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>PR0024240</b>                            | 24.0 | 100(3x33)A | 6 AWG                      | 0.3           | 0.3             | 7.0             | +                   | +       | 82°     | 66°     | 55°     | 41°     | 33°     | 27°     |
| C <b>PR0024240</b> (derated 208V performance) | 17.5 | 84(3x28)A  | *                          | 0.3           | 0.3             | 7.0             | +                   | +       | 60°     | 48°     | 40°     | 30°     | 24°     | 20°     |
| C <b>PR0027240</b>                            | 27.0 | 112(3x37)A | 8 AWG                      | 0.3           | 0.3             | 7.0             | +                   | +       | 92°     | 74°     | 62°     | 46°     | 37°     | 31°     |
| C <b>PR0027240</b> (derated 208V performance) | 20   | 96(3x32)A  | *                          | 0.3           | 0.3             | 7.0             | +                   | +       | 68°     | 55°     | 45°     | 34°     | 27°     | 23°     |
| <b>240V* 4 MODULES</b>                        |      |            |                            |               |                 |                 |                     |         |         |         |         |         |         |         |
| C <b>PR0036240</b>                            | 36.0 | 150(4x38)A | 8 AWG                      | 0.3           | 0.3             | 8.0             | +                   | +       | +       | 98°     | 82°     | 62°     | 49°     | 41°     |
| C <b>PR0036240</b> (derated 208V performance) | 26.6 | 127(4x32)A | *                          | 0.3           | 0.3             | 8.0             | +                   | +       | 91      | 73°     | 61°     | 45°     | 36°     | 30°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electronically limited setting on adjustable thermostat on front cover

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

### Product Specifications (all models)

**Rated Pressure** 25 PSI min., 150 PSI max.

**Certifications** ETL Listed to UL 499 and CSA

**Std. Temp. Settings** 120°F (Adjustable 80°F-140°F)

**Temp. Accuracy** +/-1° at steady state flow

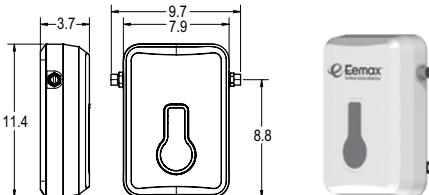
**Turn-On** 0.3 GPM

### PR0008240/PR0011240/PR0013240

**Size** 11.75"H x 7.25"W x 3.75"D

**Weight** 8 kw: 4.75 lbs. 11 kw/13 kw: 7 lbs.

**Unique Features** Solid, hand-welded exchanger, 1/2" NPT adapters, 3 foot electric cable and 1/2" compression fittings for water connectors included

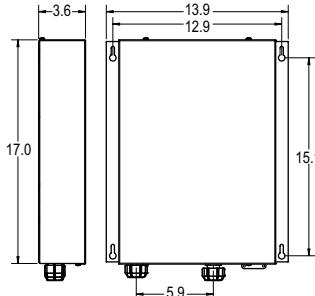


### PR0018240

**Size** 17"H x 14"W x 3.75"D

**Weight** 11.25 lbs.

**Unique Features** Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation

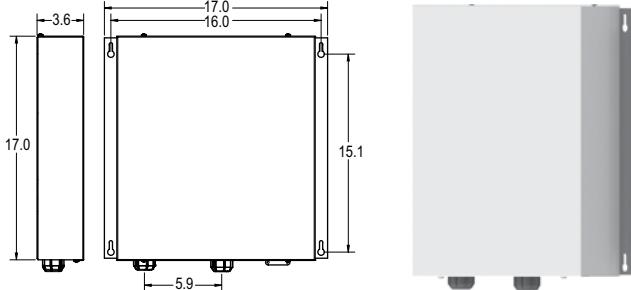


### PR0024240/PR0027240

**Size** 17"H x 17"W x 3.75"D

**Weight** 13.75 lbs.

**Unique Features** Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation

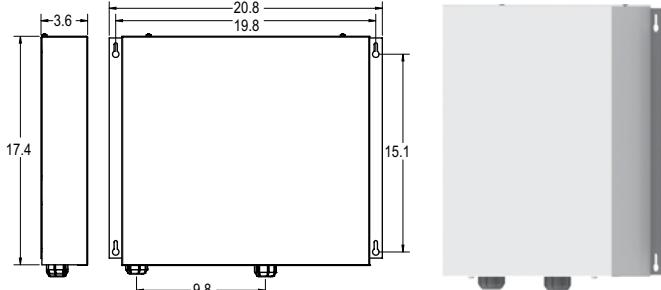


### PR0036240

**Size** 17"H x 19"W x 3.75"D

**Weight** 17.4 lbs.

**Unique Features** Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



# ProAdvantage Series

Digital Temperature Control for Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Performance Features

- Cut Energy Waste. Flow switch activates heater only on demand (no standby heat loss) 99% efficient
- Save Water – “Point of Use”
- Continuous Hot Water. No storage capacity to run out
- Easy Installation. Only one cold or hot water line is needed for installation – 3/4" NPT water fittings (except single module units use 1/2" compression fittings)
- Reduces calcification, liming and sedimentation
- External digital temp control
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Warranty – Heaters are guaranteed against failure due to leaks of “Heater Body/Element Assembly” for a period of five (5) years and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year
- LEED credits available
- Aluminum powder coated exterior



Single Module



Dual Module



Triple Module

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Water heater shall be an Eemax ProAdvantage model number PA\_\_\_\_\_

Tankless Water Heater shall be an Eemax ProAdvantage model, with digital microprocessing temperature control capable of maintaining outlet temperature. Unit shall have 6061-T6 Aircraft Alloy cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall Nickel Chrome material. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



ProAdvantage

# ProAdvantage Series

Digital Temperature Control for Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Product Specifications

#### Single Module Models

**PA004120T, PA008208T, PA005240T,  
PA007240T, PA010240T, PA012240T,  
PA008277T, PA010277T**

**Dimensions:** 9.875" H x 5.3" W x 4" D

**Weight:** 4.5 lbs.

**Cover:** Aluminum Powder Coated

**Rated Pressure** 25 PSI min.  
150 PSI max.

**Element:** Single replaceable heating cartridge insert

**Fittings:** 1/2" compression

**Temp Control:** Digital touchpad LED, range 100°F-140°F

#### Dual Module Models

**PA014240TC, PA016277TC,  
PA019240TC, PA020288TC,  
PA023240TC**

**Dimensions:** 10.5" H x 11" W x 4.5" D

**Weight:** 10.5 lbs.

**Cover:** Aluminum Powder Coated

**Rated Pressure** 25 PSI min.  
150 PSI max.

**Element:** Dual replaceable heating cartridge insert

**Fittings:** 3/4" NPT

**Temp Control:** Digital touchpad LED, range 100°F-140°F

#### Triple Module Models

**PA018208T2T, PA024208T2T,**

**PA018277T2T, PA024277T2T,  
PA032277T2T,**

#### SINGLE PHASE MODEL PA028240T2T

**Dimensions:** 12.5" H x 15.5" W x 4.5" D

**Weight:** 15 lbs.

**Cover:** Aluminum Powder Coated

**Rated Pressure** 45 PSI min.  
150 PSI max.

**Element:** Triple replaceable heating cartridge insert

**Fittings:** 3/4" NPT

**Temp Control:** Digital touchpad LED, range 100°F-140°F

| MODEL NUMBER   | kW   | AMPS       | RECOMMENDED WIRE SIZE (CU) | MIN. FLOW (GPM) | MAX. FLOW (GPM) | TEMPERATURE RISE °F |          |         |         |         |         |         |     |
|--|------|------------|----------------------------|-----------------|-----------------|---------------------|----------|---------|---------|---------|---------|---------|-----|
|  |      |            |                            |                 |                 | 0.5 GPM             | 0.75 GPM | 1.0 GPM | 1.5 GPM | 2.0 GPM | 2.5 GPM | 3.0 GPM |     |
| <b>SINGLE PHASE 120V – Approximate Weight 4.5 lbs.</b>     |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA004120T</b>   | 3.5  | 29A        | 10 AWG                     | 0.3             | 2.5             | 48°                 | 32°      | 24°     | 16°     | 16°     | –       | –       | –   |
| <b>SINGLE PHASE 208V – Approximate Weight 4.5 lbs.</b>     |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA008208T</b>   | 8.3  | 40A        | 8 AWG                      | 0.7             | 2.5             | –                   | 68°      | 51°     | 41°     | 34°     | –       | –       | –   |
| <b>SINGLE PHASE 240V* – Approximate Weight 4.5 lbs.</b>    |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA005240T</b>   | 4.8  | 20A        | 10 AWG                     | 0.5             | 2.5             | 66°                 | 44°      | 33°     | 2°      | 6°      | –       | –       | –   |
| C <b>PA005240T</b> (derated 208V performance)              | 3.6  | 17A        | *                          | 0.5             | 2.5             | 49°                 | 33°      | 25°     | 16°     | –       | –       | –       | –   |
| C <b>PA007240T</b>   | 6.5  | 27A        | 10 AWG                     | 0.7             | 2.5             | –                   | 59°      | 45°     | 30°     | 22°     | –       | –       | –   |
| C <b>PA007240T</b> (derated 208V performance)              | 4.9  | 24A        | *                          | 0.7             | 2.5             | 66°                 | 44°      | 33°     | 22°     | –       | –       | –       | –   |
| C <b>PA010240T</b>   | 9.5  | 40A        | 8 AWG                      | 0.7             | 2.5             | –                   | 87°      | 65°     | 43°     | 33°     | –       | –       | –   |
| C <b>PA010240T</b> (derated 208V performance)              | 7    | 34A        | *                          | 0.7             | 2.5             | –                   | 95°      | 64°     | 48°     | 32°     | –       | –       | –   |
| C <b>PA012240T</b>   | 11.5 | 48A        | 6 AWG                      | 0.7             | 2.5             | –                   | +        | 79°     | 53°     | 39°     | –       | –       | –   |
| C <b>PA012240T</b> (derated 208V performance)              | 8.7  | 42A        | *                          | 0.7             | 2.5             | –                   | +        | 79°     | 59°     | 39°     | –       | –       | –   |
| <b>SINGLE PHASE 240V* – Approximate Weight 10.5 lbs.</b>   |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA014240TC</b>  | 15   | 64(2x32)A  | 8 AWG                      | 0.7             | 3.0             | –                   | +        | +       | 68°     | 51°     | 41°     | 34°     | –   |
| C <b>PA014240TC</b> (derated 208V performance)             | 11.2 | 52(2x27)A  | *                          | 0.7             | 3.0             | –                   | +        | +       | 77°     | 51°     | 38°     | 31°     | 26° |
| C <b>PA019240TC</b>  | 19   | 80(2x40)A  | 8 AWG                      | 0.7             | 3.0             | –                   | +        | +       | 86°     | 65°     | 52°     | 43°     | –   |
| C <b>PA019240TC</b> (derated 208V performance)             | 14   | 68(2x34)A  | *                          | 0.7             | 3.0             | –                   | +        | +       | 95      | 64      | 48      | 38°     | 32° |
| C <b>PA023240TC</b>  | 23   | 96(2x48)A  | 6 AWG                      | 0.7             | 3.0             | –                   | +        | +       | +       | 79°     | 63°     | 53°     | –   |
| C <b>PA023240TC</b> (derated 208V performance)             | 17.3 | 83(2x42)A  | *                          | 0.7             | 3.0             | –                   | +        | +       | 79°     | 59°     | 47°     | 39°     | –   |
| <b>SINGLE PHASE 240V* – Approximate Weight 15 lbs.</b>     |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA028240T2T</b>                                       | 28.5 | 120(3x40)A | 6 AWG                      | 0.7             | 4.0             | –                   | +        | +       | +       | +       | 77°     | 64°     | –   |
| C <b>PA028240T2T</b> (derated 208V performance)            | 20.9 | 100(3x33)A | *                          | 0.7             | 4.0             | –                   | +        | +       | +       | +       | 57°     | 48°     | –   |
| <b>SINGLE PHASE 277V – Approximate Weight 4.5 lbs.</b>     |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA008277T</b>   | 8    | 29A        | 10 AWG                     | 0.7             | 2.5             | –                   | 73°      | 55°     | 37°     | 27°     | –       | –       | –   |
| C <b>PA010277T</b>   | 10   | 36A        | 10 AWG                     | 0.7             | 2.5             | –                   | +        | 69°     | 46°     | 34°     | –       | –       | –   |
| <b>SINGLE PHASE 277V – Approximate Weight 10.5 lbs.</b>    |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA016277TC</b>  | 16   | 58(2x29)A  | 10 AWG                     | 0.7             | 3.0             | –                   | +        | +       | 74°     | 55°     | 44°     | 37°     | –   |
| C <b>PA020277TC</b>  | 20   | 72(2x36)A  | 6 AWG                      | 0.7             | 3.0             | –                   | +        | +       | +       | 69°     | 55°     | 46°     | –   |
| <b>THREE PHASE 208V/3 Ø† – Approximate Weight 15 lbs.</b>  |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA018208T2T</b>                                       | 18   | 50A/phase  | 6 AWG                      | 0.7             | 4.0             | –                   | +        | +       | 82°     | 62°     | 49°     | 41°     | –   |
| C <b>PA024208T2T</b>                                       | 24   | 67A/phase  | 6 AWG                      | 0.7             | 4.0             | –                   | +        | +       | +       | 82°     | 66°     | 55°     | –   |
| <b>THREE PHASE 480Y/277V† – Approximate Weight 15 lbs.</b> |      |            |                            |                 |                 |                     |          |         |         |         |         |         |     |
| C <b>PA018277T2T</b>                                       | 18   | 22A/phase  | 10 AWG                     | 0.7             | 4.0             | –                   | +        | +       | 82°     | 62°     | 49°     | 41°     | –   |
| C <b>PA024277T2T</b>                                       | 24   | 29A/phase  | 10 AWG                     | 0.7             | 4.0             | –                   | +        | +       | +       | 82°     | 66°     | 55°     | –   |
| C <b>PA032277T2T</b>                                       | 32   | 39A/phase  | 6 AWG                      | 0.7             | 4.0             | –                   | +        | +       | +       | +       | 88°     | 73°     | –   |

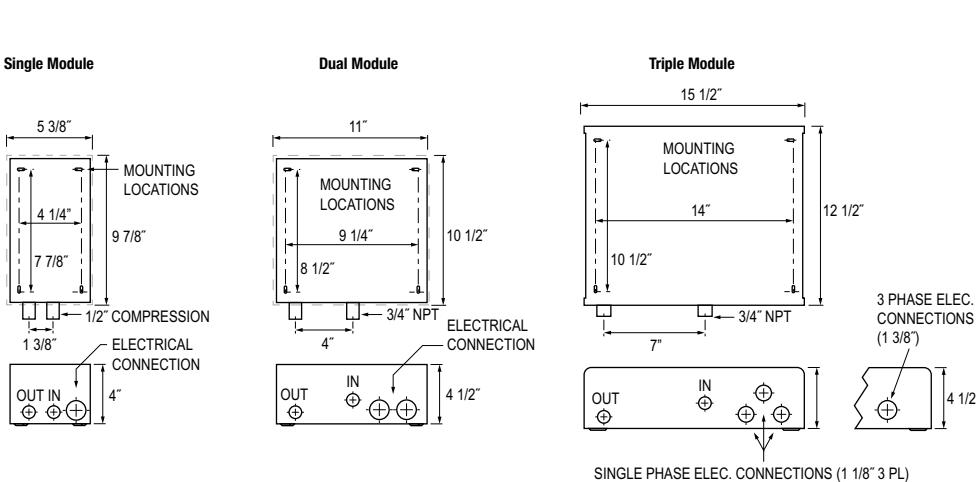
\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

† Delta – No Neutral Leg

† Wye – Neutral Leg Required

+ Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No.88.



# Series Two, Residential/Commercial “TC”

Staged models (Two heating modules) with thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Single or Multi fixture
- Residential showers
- Commercial/Industrial
- Photo processing
- Adjustable, precise temperature setting +/-1°F (ambient up to 180°F)
- Solar backup with FS option

### Performance Features

- Turns on in stages based on hot water demand  
Min. flow 0.7 GPM, max. flow 3 GPM (ML units turn on 0.3 GPM)
- On demand hot water
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss)
- Reduces calcification
- Two glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts. Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- Factory set ambient to 180°F (FS)
- Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Product Specifications

|                           |  |
|---------------------------|--|
| <b>Dimensions</b>         | 10" x 10.5" x 3"   |
| <b>Weight</b>             | 10.5 lbs.  |
| <b>Cover</b>              | Enamelled steel  |
| <b>Color</b>              | White  |
| <b>Element</b>            | Dual replacement cartridge inserts<br>Thermostatic control (+/-1°F) accuracy |
| <b>Pipe-Fittings</b>      | 3/4" NPT fittings at bottom of unit.   |
| <b>Operating Pressure</b> | Min. 40 PSI, max. 150 PSI  |
| <b>UL Listing</b>         | E 36887(M)   |

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Series Two model number EX\_\_\_\_\_.

Heater shall have two heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

|            |  |
|------------|--|
| <b>FS</b>  | Factory set ambient to 180°F   |
| <b>ML</b>  | Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting |
| <b>S</b>   | Sanitation 180°F   |
| <b>N4</b>  | NEMA 4 waterproof cabinet w/powder coat finish                       |
| <b>N4X</b> | NEMA 4 stainless steel waterproof corrosion-resistant cabinet        |

# Series Two, Residential/Commercial “TC”

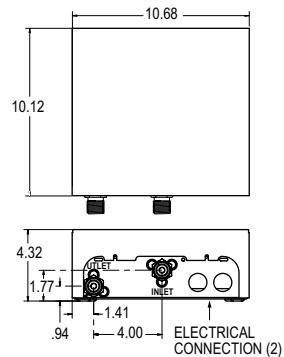
Staged models (Two heating modules) with thermostatic control

## Specifications

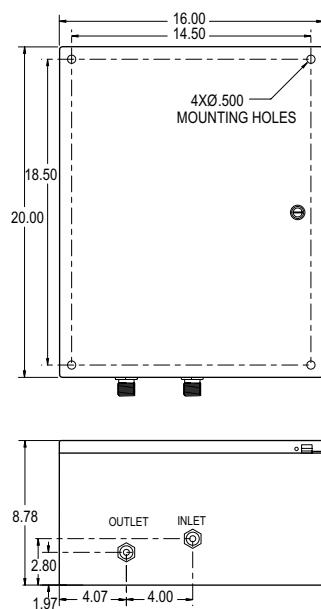
Electric Tankless Hot Water Heater

### Suffix Definitions

- FS** Factory set ambient to 180°F
- ML** Multi lags 0.3 turn on. Staged up to 4 lags 105°F-110°F temp setting
- S** Sanitation 180°F



### NEMA 4/4X



| MODEL NUMBER                                 | kW     | AMPS      | RECOMMENDED WIRE SIZE (CU) | MIN. FLOW (GPM) | TEMPERATURE RISE °F |         |         |         |
|--|--------|-----------|----------------------------|-----------------|---------------------|---------|---------|---------|
|  |        |           |                            |                 | 1.5 GPM             | 2.0 GPM | 2.5 GPM | 3.0 GPM |
| <b>VOLTS 240*</b>                            |        |           |                            |                 |                     |         |         |         |
| C <b>EX144TC</b>                             | 15kW   | 64(2x32)A | 8 AWG per module           | 0.7             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX144TC</b> (derated 208V performance)  | 11.2kW | 54(2x27)A | *                          | 0.7             | 51°                 | 38°     | 31°     | 26°     |
| C <b>EX144TC S</b>                           | 15kW   | 64(2x32)A | 8 AWG per module           | 0.7             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX144TC ML</b>                          | 15kW   | 64(2x32)A | 8 AWG per module           | 0.3             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX144TC FS</b>                          | 15kW   | 64(2x32)A | 8 AWG per module           | 0.7             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX190TC</b>                             | 19kW   | 80(2x40)A | 8 AWG per module           | 0.7             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX190TC</b> (derated 208V performance)  | 14kW   | 68(2x34)A | *                          | 0.7             | 64°                 | 48°     | 38°     | 32°     |
| C <b>EX190TC S</b>                           | 19kW   | 80(2x40)A | 8 AWG per module           | 0.7             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX190TC FS</b>                          | 19kW   | 80(2x40)A | 8 AWG per module           | 0.7             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX190TC ML</b>                          | 19kW   | 80(2x40)A | 8 AWG per module           | 0.3             | 87°                 | 65°     | 52°     | 43°     |
| <b>EX023240TC</b>                            | 23kW   | 96(2x48)A | 6 AWG per module           | 0.7             | +                   | 79°     | 62°     | 52°     |
| <b>EX023240TC</b> (derated 208V performance) | 17.3kW | 83(2x50)A | *                          | 0.7             | +                   | 59°     | 47°     | 39°     |
| <b>EX023240TC S</b>                          | 23kW   | 96(2x48)A | 6 AWG per module           | 0.7             | +                   | 79°     | 62°     | 52°     |
| <b>EX023240TC FS</b>                         | 23kW   | 96(2x48)A | 6 AWG per module           | 0.7             | +                   | 79°     | 62°     | 52°     |
| <b>EX023240TC ML</b>                         | 23kW   | 96(2x48)A | 6 AWG per module           | 0.3             | +                   | 79°     | 62°     | 52°     |
| <b>VOLTS 208 Single Phase</b>                |        |           |                            |                 |                     |         |         |         |
| C <b>EX1608TC S</b>                          | 16.6kW | 80(2x40)A | 8 AWG per module           | 0.7             | 75°                 | 57°     | 45°     | 38°     |
| C <b>EX1608TC FS</b>                         | 16.6kW | 80(2x40)A | 8 AWG per module           | 0.7             | 75°                 | 57°     | 45°     | 38°     |
| C <b>EX1608TC ML</b>                         | 16.6kW | 80(2x40)A | 8 AWG per module           | 0.3             | 75°                 | 57°     | 45°     | 38°     |
| <b>VOLTS 277</b>                             |        |           |                            |                 |                     |         |         |         |
| <b>EX160TC</b>                               | 16kW   | 58(2x29)A | 10 AWG per module          | 0.7             | 73°                 | 55°     | 44°     | 36°     |
| <b>EX160TC S</b>                             | 16kW   | 58(2x29)A | 10 AWG per module          | 0.7             | 73°                 | 55°     | 44°     | 36°     |
| <b>EX160TC FS</b>                            | 16kW   | 58(2x29)A | 10 AWG per module          | 0.7             | 73°                 | 55°     | 44°     | 36°     |
| <b>EX160TC ML</b>                            | 16kW   | 58(2x29)A | 10 AWG per module          | 0.3             | 73°                 | 55°     | 44°     | 36°     |
| <b>EX200TC</b>                               | 20kW   | 72(2x36)A | 8 AWG per module           | 0.7             | +                   | 68°     | 54°     | 46°     |
| <b>EX200TC S</b>                             | 20kW   | 72(2x36)A | 8 AWG per module           | 0.7             | +                   | 68°     | 54°     | 46°     |
| <b>EX200TC FS</b>                            | 20kW   | 72(2x36)A | 8 AWG per module           | 0.7             | +                   | 68°     | 54°     | 46°     |
| <b>EX200TC ML</b>                            | 20kW   | 72(2x36)A | 8 AWG per module           | 0.3             | +                   | 68°     | 54°     | 46°     |
| <b>CNL Models</b>                            |        |           |                            |                 |                     |         |         |         |
| C <b>EX144TC CNL</b>                         | 15kW   | 64A       | 6 AWG                      | 0.7             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX144TC S CNL</b>                       | 15kW   | 64A       | 6 AWG                      | 0.7             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX144TC FS CNL</b>                      | 15kW   | 64A       | 6 AWG                      | 0.7             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX144TC ML CNL</b>                      | 15kW   | 64A       | 6 AWG                      | 0.3             | 68°                 | 51°     | 41°     | 34°     |
| C <b>EX190TC CNL</b>                         | 19kW   | 80A       | 4 AWG                      | 0.7             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX190TC S CNL</b>                       | 19kW   | 80A       | 4 AWG                      | 0.7             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX190TC FS CNL</b>                      | 19kW   | 80A       | 4 AWG                      | 0.7             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX190TC ML CNL</b>                      | 19kW   | 80A       | 4 AWG                      | 0.3             | 87°                 | 65°     | 52°     | 43°     |
| C <b>EX1608TC CNL</b>                        | 16.6kW | 80A       | 4 AWG                      | 0.7             | 75°                 | 57°     | 45°     | 38°     |
| C <b>EX1608TC S CNL</b>                      | 16.6kW | 80A       | 4 AWG                      | 0.7             | 75°                 | 57°     | 45°     | 38°     |
| C <b>EX1608TC FS CNL</b>                     | 16.6kW | 80A       | 4 AWG                      | 0.7             | 75°                 | 57°     | 45°     | 38°     |
| C <b>EX1608TC ML CNL</b>                     | 16.6kW | 80A       | 4 AWG                      | 0.3             | 75°                 | 57°     | 45°     | 38°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.

\*C indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88. CNL SKUs are Canada specific.

# Series Two, Commercial “T2”

Parallel models (Two heating modules) with thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Single high volume fixture
- Commercial dishwashers
- Booster (Solar backup)
- Commercial/Industrial
- Adjustable, precise temperature setting +/-1°F (ambient up to 180°F)

### Performance Features

- Parallel turn on. **Min. flow 1.5 GPM**, max. flow 4 GPM
- On demand hot water
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss)
- Meets ANSI Z358.1 tepid water requirement (EE option)
- Reduces calcification
- Two glass reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks, and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- Emergency eye/face wash ANSI Z358.1 (EE)
- Factory set ambient to 180°F (FS)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

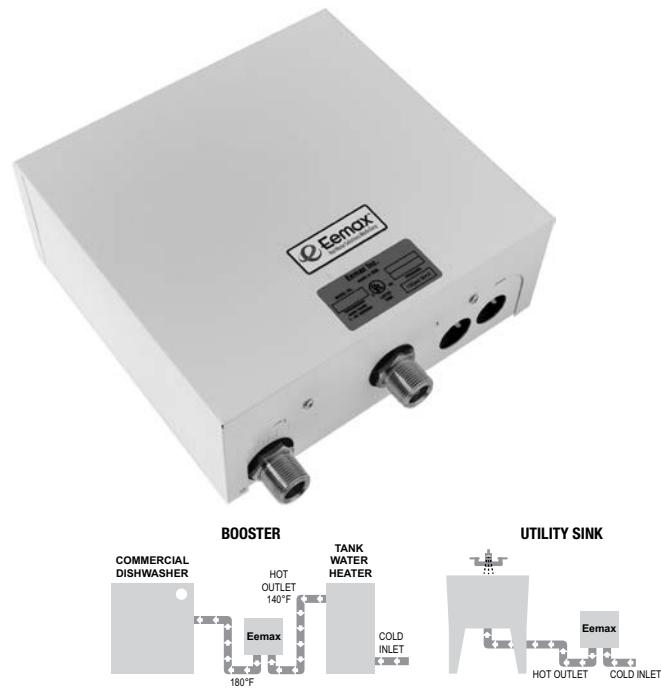
### Product Specifications

|                    |   |
|--------------------|---|
| Dimensions         | 10" x 10.5" x 3"  |
| Weight             | 10.5 lbs.   |
| Cover              | Enamelled steel   |
| Color              | White   |
| Element            | Dual replacement cartridge inserts.<br>Thermostatic control (+/-1°F) accuracy |
| Pipe-Fittings      | 3/4" NPT fittings at bottom of unit.  |
| Operating Pressure | Min. 40 PSI, max. 150 PSI   |
| UL Listing         | E 36887(M)  |

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Series Two model number EX\_\_\_\_\_.

Heater shall have two heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

- EE** Emergency Eyewash. Meets ANSI tepid water requirements
- FS** Factory Set. Customer specified factory-set not to exceed temperature ambient to 180°F
- S** Sanitation. Factory preset not to exceed temperature of 180°F
- N4** NEMA 4 waterproof cabinet w/powder coat finish
- N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Two, Commercial “T2”

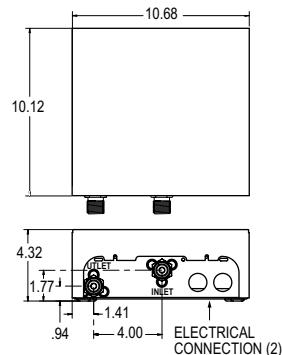
Parallel models (Two heating modules) with thermostatic control

## Specifications

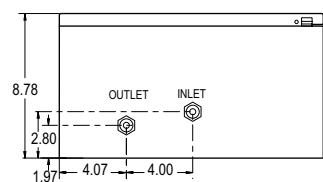
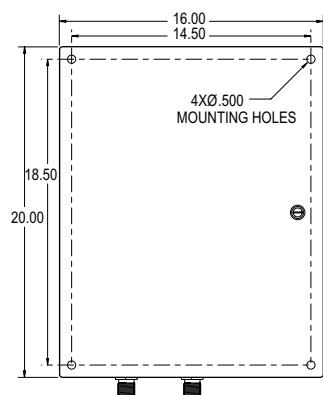
Electric Tankless Hot Water Heater

### Suffix Definitions

- EE** Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
- FS** Factory set ambient to 180°F
- S** Sanitation 180°F



### NEMA 4/4X



| MODEL NUMBER                  | kW                                    | AMPS      | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |         |         |
|-------------------------------|---------------------------------------|-----------|----------------------------|---------------------|---------|---------|---------|---------|
|                               |                                       |           |                            | 1.5 GPM             | 2.0 GPM | 2.5 GPM | 3.0 GPM | 4.0 GPM |
| <b>VOLTS 240*</b>             |                                       |           |                            |                     |         |         |         |         |
| C <b>EX144T2</b>              | 15kW                                  | 64(2x32)A | 8 AWG per module           | 68°                 | 51°     | 41°     | 34°     | 25°     |
|                               | EX144T2 (derated 208V performance)    | 11.2kW    | 54(2x27)A                  | *                   | 51°     | 38°     | 31°     | 26°     |
| C <b>EX144T2 EE</b>           | 15kW                                  | 64(2x32)A | 8 AWG per module           | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX144T2 FS</b>           | 15kW                                  | 64(2x32)A | 8 AWG per module           | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX144T2 S</b>            | 15kW                                  | 64(2x32)A | 8 AWG per module           | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX190T2</b>              | 19kW                                  | 80(2x40)A | 8 AWG per module           | +                   | 65°     | 52°     | 43°     | 32°     |
|                               | EX190T2 (derated 208V performance)    | 14kW      | 68(2x34)A                  | *                   | 64      | 48      | 38      | 32      |
| C <b>EX190T2 EE</b>           | 19kW                                  | 80(2x40)A | 8 AWG per module           | +                   | 65°     | 52°     | 43°     | 32°     |
| C <b>EX190T2 FS</b>           | 19kW                                  | 80(2x40)A | 8 AWG per module           | +                   | 65°     | 52°     | 43°     | 32°     |
| C <b>EX190T2 S</b>            | 19kW                                  | 80(2x40)A | 8 AWG per module           | +                   | 65°     | 52°     | 43°     | 32°     |
| <b>EX022340T2</b>             | 23kW                                  | 96(2x48)A | 6 AWG per module           | +                   | 79°     | 62°     | 52°     | 39°     |
|                               | EX022340T2 (derated 208V performance) | 17.3kW    | 83(2x42)A                  | *                   | 79°     | 59°     | 47°     | 39°     |
| <b>EX022340T2 EE</b>          | 23kW                                  | 96(2x48)A | 6 AWG per module           | +                   | 79°     | 62°     | 52°     | 39°     |
| <b>EX022340T2 FS</b>          | 23kW                                  | 96(2x48)A | 6 AWG per module           | +                   | 79°     | 62°     | 52°     | 39°     |
| <b>EX022340T2 S</b>           | 23kW                                  | 96(2x48)A | 6 AWG per module           | +                   | 79°     | 62°     | 52°     | 39°     |
| <b>VOLTS 208 Single Phase</b> |                                       |           |                            |                     |         |         |         |         |
| C <b>EX1608T2</b>             | 16.6kW                                | 80(2x40)A | 8 AWG per module           | 75°                 | 57°     | 45°     | 38°     | 28°     |
| C <b>EX1608T2 EE</b>          | 16.6kW                                | 80(2x40)A | 8 AWG per module           | 75°                 | 57°     | 45°     | 38°     | 28°     |
| C <b>EX1608T2 FS</b>          | 16.6kW                                | 80(2x40)A | 8 AWG per module           | 75°                 | 57°     | 45°     | 38°     | 28°     |
| C <b>EX1608T2 S</b>           | 16.6kW                                | 80(2x40)A | 8 AWG per module           | 75°                 | 57°     | 45°     | 38°     | 28°     |
| <b>VOLTS 277</b>              |                                       |           |                            |                     |         |         |         |         |
| <b>EX160T2</b>                | 16kW                                  | 58(2x29)A | 10 AWG per module          | 73°                 | 55°     | 44°     | 36°     | 27°     |
| <b>EX160T2 EE</b>             | 16kW                                  | 58(2x29)A | 10 AWG per module          | 73°                 | 55°     | 44°     | 36°     | 27°     |
| <b>EX160T2 FS</b>             | 16kW                                  | 58(2x29)A | 10 AWG per module          | 73°                 | 55°     | 44°     | 36°     | 27°     |
| <b>EX160T2 S</b>              | 16kW                                  | 58(2x29)A | 10 AWG per module          | 73°                 | 55°     | 44°     | 36°     | 27°     |
| <b>EX200T2</b>                | 20kW                                  | 72(2x36)A | 8 AWG per module           | +                   | 68°     | 54°     | 46°     | 34°     |
| <b>EX200T2 EE</b>             | 20kW                                  | 72(2x36)A | 8 AWG per module           | +                   | 68°     | 54°     | 46°     | 34°     |
| <b>EX200T2 FS</b>             | 20kW                                  | 72(2x36)A | 8 AWG per module           | +                   | 68°     | 54°     | 46°     | 34°     |
| <b>EX200T2 S</b>              | 20kW                                  | 72(2x36)A | 8 AWG per module           | +                   | 68°     | 54°     | 46°     | 34°     |
| <b>CNL Models</b>             |                                       |           |                            |                     |         |         |         |         |
| C <b>EX144T2 CNL</b>          | 15kW                                  | 64 A      | 6 AWG                      | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX144T2 EE CNL</b>       | 15kW                                  | 64 A      | 6 AWG                      | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX144T2 FS CNL</b>       | 15kW                                  | 64 A      | 6 AWG                      | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX144T2 S CNL</b>        | 15kW                                  | 64 A      | 6 AWG                      | 68°                 | 51°     | 41°     | 34°     | 25°     |
| C <b>EX190T2 CNL</b>          | 19kW                                  | 80 A      | 4 AWG                      | +                   | 65°     | 52°     | 43°     | 32°     |
| C <b>EX190T2 EE CNL</b>       | 19kW                                  | 80 A      | 4 AWG                      | +                   | 65°     | 52°     | 43°     | 32°     |
| C <b>EX190T2 FS CNL</b>       | 19kW                                  | 80 A      | 4 AWG                      | +                   | 65°     | 52°     | 43°     | 32°     |
| C <b>EX190T2 S CNL</b>        | 19kW                                  | 80 A      | 4 AWG                      | +                   | 65°     | 52°     | 43°     | 32°     |
| C <b>EX1608T2 CNL</b>         | 16.6kW                                | 80 A      | 4 AWG                      | 75°                 | 57°     | 45°     | 38°     | 28°     |
| C <b>EX1608T2 EE CNL</b>      | 16.6kW                                | 80 A      | 4 AWG                      | 75°                 | 57°     | 45°     | 38°     | 28°     |
| C <b>EX1608T2 FS CNL</b>      | 16.6kW                                | 80 A      | 4 AWG                      | 75°                 | 57°     | 45°     | 38°     | 28°     |
| C <b>EX1608T2 S CNL</b>       | 16.6kW                                | 80 A      | 4 AWG                      | 75°                 | 57°     | 45°     | 38°     | 28°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88. CNL SKUs are Canada specific.

# Series Three, Residential/Commercial

Staged or parallel models (Three heating modules) thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Whole house, multi fixture 4 GPM unit has capacity to handle up to two showers at a time
- Jetted bathtub booster (T3 option)

### Performance Features

- On demand hot water. Cuts energy waste. No stand-by heat loss. 99% efficiency rating
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Regulates power to required flow
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. Requires only one cold water input line, no solder connections. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Reduces calcification and sedimentation
- Three glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts. Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- T2T – Staged heating elements. Turn on min. flow 0.7 GPM, max. flow 4 GPM (ML units – 0.3 GPM turn on)
- T3 – Parallel heating elements. **Turn on min. flow 1.8 GPM, max. flow 5 GPM.** Recommended for commercial uses only
- Factory set ambient to 180° (FS)
- Multi lavs. Staged up to 4 lavs 105°F-110°F temp setting, 0.3 GPM turn on, aerators supplied (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Product Specifications

|                           |   |
|---------------------------|---|
| <b>Dimensions</b>         | 15 1/4" x 12 1/4" x 4 1/4"  |
| <b>Weight</b>             | 15 lbs  |
| <b>Operating Pressure</b> | Min. 45 PSI, max. 150 PSI   |
| <b>Cover</b>              | Enamelled Steel   |
| <b>Color</b>              | White   |
| <b>Element</b>            | Triple replaceable cartridge inserts.<br>Thermostatic control (+/-1°F) accuracy |
| <b>Pipe Fitting</b>       | 3/4" NPT at bottom of unit. (5/8" OD) or 3/4" NPT Adapter                       |
| <b>UL listed</b>          | E86887(M)   |

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.

Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Series Three model number EX280 \_\_\_\_\_.

Heater shall have three heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

|                  |  |
|------------------|--|
| _____ <b>T2T</b> | Staged heating elements  |
| _____ <b>T3</b>  | Parallel heating elements  |
| _____ <b>FS</b>  | Factory set ambient to 180°F   |
| _____ <b>ML</b>  | Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting |
| _____ <b>S</b>   | Sanitation 180°F   |
| _____ <b>N4</b>  | NEMA 4 waterproof cabinet w/powder coat finish                       |
| _____ <b>N4X</b> | NEMA 4 stainless steel waterproof corrosion-resistant cabinet        |

# Series Three Residential/Commercial

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

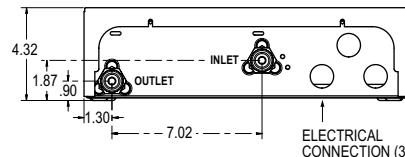
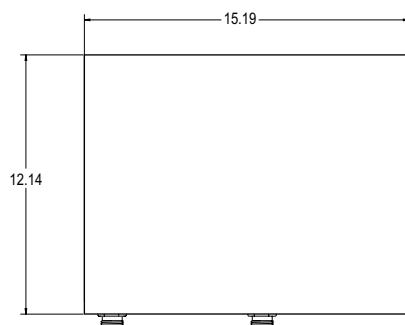
- T2T** Staged heating elements
- T3** Parallel heating elements
- EE** Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
- FS** Factory set ambient to 180°F
- ML** Multi lavs 0.3 turn on. Staged up to 6 lavs 105°F-110°F temp setting
- S** Sanitation 180°F

| MODEL NUMBER                                 | kW   | AMPS       | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |                 |
|--|------|------------|----------------------------|---------------------|---------|---------|-----------------|
|  |      |            |                            | 2.5 GPM             | 3.0 GPM | 4.0 GPM | 5.0 GPM T3 ONLY |
| <b>VOLTS 240*</b>                            |      |            |                            |                     |         |         |                 |
| C <b>EX280T2T</b>                            | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T2T</b> (derated 208V performance) | 20.9 | 100(3X33)A | *                          | 57°                 | 48°     | 36°     | —               |
| C <b>EX280T2T ML</b>                         | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T2T FS</b>                         | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T2T S</b>                          | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T3</b>                             | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | 38°             |
| C <b>EX280T3</b> (derated 208V performance)  | 20.9 | 100(3X33)A | *                          | 57°                 | 48°     | 36°     | 49°             |
| C <b>EX280T3 S</b>                           | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | 38°             |
| C <b>EX280T3 FS</b>                          | 28.5 | 120(3X40)A | 8 AWG per module           | 76°                 | 65°     | 49°     | 38°             |
| <b>CNL Models</b>                            |      |            |                            |                     |         |         |                 |
| C <b>EX280T2T CNL</b>                        | 28.5 | 120 A      | 1 AWG                      | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T2T ML CNL</b>                     | 28.5 | 120 A      | 1 AWG                      | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T2T FS CNL</b>                     | 28.5 | 120 A      | 1 AWG                      | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T2T S CNL</b>                      | 28.5 | 120 A      | 1 AWG                      | 76°                 | 65°     | 49°     | —               |
| C <b>EX280T3 CNL</b>                         | 28.5 | 120 A      | 1 AWG                      | 76°                 | 65°     | 49°     | 38°             |

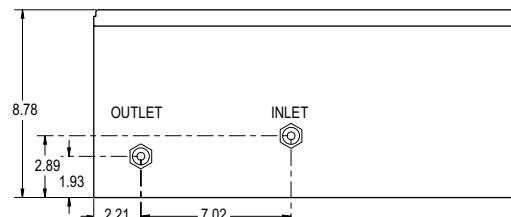
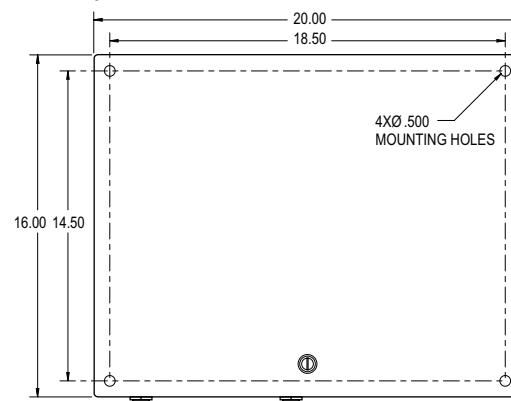
\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88. CNL SKUs are Canada specific.

**"EX"**



**NEMA 4/4X**



# Series Four, Residential/Commercial

Staged or parallel models (Four heating modules) thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Whole house unit has capacity to handle up to three showers at a time
- Multi fixture, 6 GPM max.

### Performance Features

- On demand hot water. Cuts energy waste. No stand-by heat loss. 99% efficiency rating
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Regulates power to required flow
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. Requires only one cold water input line, no solder connections. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Reduces calcification and sedimentation
- Four glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts  
Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- T2T2 – Staged heating elements. Turn on min. flow 0.9 GPM, max. flow 6 GPM
- T4 – Parallel heating elements. Turn on min. flow 1.8 GPM, max. flow 8 GPM. Recommended for commercial uses only
- Factory set ambient to 180°F (FS)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Specifications

|                           |  |
|---------------------------|--|
| <b>Dimensions</b>         | 20 3/16" x 12 1/8" x 4 1/8"  |
| <b>Weight</b>             | 23 lbs.  |
| <b>Operating Pressure</b> | 45 PSI, max. 150 PSI   |
| <b>Cover</b>              | Enamelled Steel  |
| <b>Color</b>              | White  |
| <b>Element</b>            | Four replaceable cartridge inserts<br>Thermostatic control (+/-1°F) accuracy |
| <b>Pipe Fitting</b>       | 3/4" NPT   |
| <b>UL listed</b>          | E86887(M)  |

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax "Series Four" model number EX380\_\_\_\_\_.

Heater shall have four heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.  
NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

- \_\_\_\_ **T2T2** Staged heating elements
- \_\_\_\_ **T4** Parallel heating elements
- \_\_\_\_ **FS** Factory set ambient to 180°F
- \_\_\_\_ **S** Sanitation 180°F
- \_\_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Four, Residential/Commercial

Staged or parallel models (Four heating modules) thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

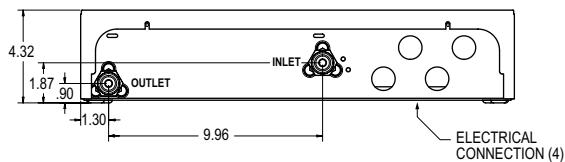
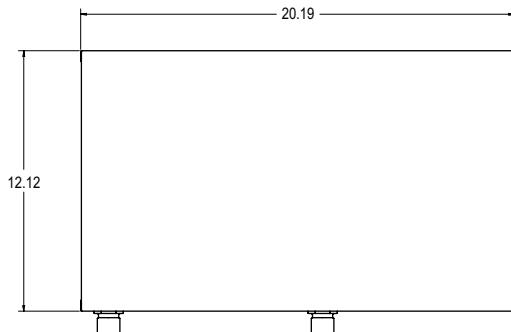
- T2T2** Staged heating elements
- T4** Parallel heating Elements
- FS** Factory set ambient to 180°F
- S** Sanitation 180°F

| MODEL NUMBER                                | kW   | AMPS       | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |         |         |         |
|---|------|------------|----------------------------|---------------------|---------|---------|---------|---------|---------|
|   |      |            |                            | 2.5 GPM             | 3.0 GPM | 4.0 GPM | 5.0 GPM | 6.0 GPM | 8.0 GPM |
| <b>VOLTS 240*</b>                           |      |            |                            |                     |         |         |         |         |         |
| C <b>EX380T2T2</b>                          | 38kW | 160(4x40)A | 8 AWG per module           | +                   | 86°     | 65°     | 52°     | 43°     | —       |
|   | 27.9 | 134(4x33)A | *                          | 76°                 | 64°     | 48°     | 38°     | 32°     | 24°     |
| C <b>EX380T2T2 FS</b>                       | 38kW | 160(4x40)A | 8 AWG per module           | +                   | 86°     | 65°     | 52°     | 43°     | —       |
| C <b>EX380T2T2 S</b>                        | 38kW | 160(4x40)A | 8 AWG per module           | +                   | 86°     | 65°     | 52°     | 43°     | —       |
| C <b>EX380T4</b>                            | 38kW | 160(4x40)A | 8 AWG per module           | +                   | 86°     | 65°     | 52°     | 43°     | 32°     |
| C <b>EX380T4</b> (derated 208V performance) | 27.9 | 134(4x33)A | *                          | 76°                 | 64°     | 48°     | 38°     | 32°     | 24°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.



# Three Phase Series

Triple module, commercial/industrial thermostatic 3-phase heater

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Eye/face wash
- Where tepid water is needed
- Multiple lavatories
- Restaurants and other food service requirements
- Booster applications
- Manufacturing and wash down processes
- Commercial and industrial

### Performance Features

- Hot or cold water feed
- Available electrical models are 480V Delta (ED models) or 208V Delta (EX models) no neutral leg required
- Fitted with 1/2" compression fittings and electrical entry on the bottom
- Built in over temp protection
- Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save water – “Point of use application”
- Continuous hot water – no storage capacity to run out
- Factory set temperature available. Range ambient to 180°F
- Capacity to 5 GPM (T3 only), 4 GPM (T2T)
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Reduces calcification, liming and sedimentation
- Warranty – Five (5) years leaks and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year

### Optional Features

- Emergency eye/face wash ANSI Z358.1 (EE)
- Factory set ambient to 180°F (FS)
- Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting, aerators supplied (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Product Specifications:

|            |  |
|------------|--|
| Dimensions | 15 1/4" x 12 1/4" x 4 1/4"                             |
| Weight     | 15 lbs.  |
| Cover      | Powder Coated Steel                                    |
| Color      | White  |
| Element    | Triple replaceable Ni Chrome cartridge elements insert |
| Fittings   | 1/2" compression fittings at BOTTOM of unit            |
| Pressure   | Min. 25 PSI, max. 150 PSI                              |

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



(Representational Image)



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

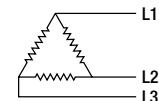
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



### Suggested Specification

Tankless water heater shall be an Eemax “Three Phase” model number \_\_\_\_\_.

Element shall be replaceable cartridge insert. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" compression fittings. Heater shall be installed upright with water connections on bottom. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal. NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

- |     |   |
|-----|---|
| EE  | Emergency Eyewash. Meets ANSI tepid water requirements                                      |
| FS  | Factory Set. Customer specified factory-set not to exceed temperature ambient to 180°F      |
| ML  | Multi lavs 0.3 GPM turn on, staged up to 4 lavs 105°F-110°F temp setting, aerators supplied |
| S   | Sanitation. Factory preset not to exceed temperature of 180°F                               |
| N4  | NEMA 4 waterproof cabinet w/powder coat finish  |
| N4X | NEMA 4 stainless steel waterproof corrosion-resistant cabinet                               |

# Three Phase Series

Triple module, commercial/industrial thermostatic 3-phase heater

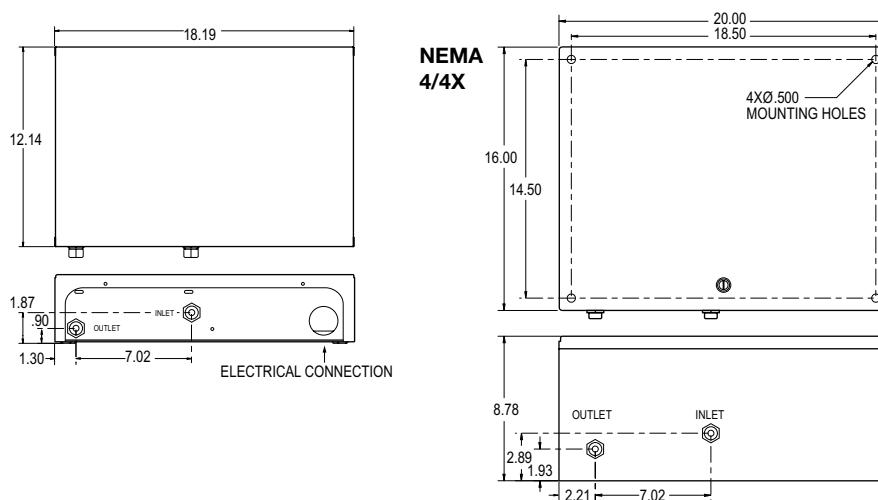
## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

- EE** Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
- FS** Factory set ambient to 180°F
- ML** Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting
- S** Sanitation 180°F

| MODEL NUMBER            | kW   | AMPS PER PHASE | TURN-ON (GPM) | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |         |         |
|-------------------------|------|----------------|---------------|----------------------------|---------------------|---------|---------|---------|---------|
|                         |      |                |               |                            | 2.0 GPM             | 2.5 GPM | 3.0 GPM | 4.0 GPM | 5.0 GPM |
| <b>VOLTS 208v/3 Ø</b>   |      |                |               |                            |                     |         |         |         |         |
| <b>EX180T2T</b>         | 18kW | 50A/phase      | 0.7           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | —       |
| <b>EX180T2T EE</b>      | 18kW | 50A/phase      | 0.7           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | —       |
| <b>EX180T2T S</b>       | 18kW | 50A/phase      | 0.7           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | —       |
| <b>EX180T2T ML</b>      | 18kW | 50A/phase      | 0.3           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | —       |
| <b>EX180T2T FS</b>      | 18kW | 50A/phase      | 0.7           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | —       |
| <b>EX180T3</b>          | 18kW | 50A/phase      | 1.8           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | 25°     |
| <b>EX180T3 EE</b>       | 18kW | 50A/phase      | 1.8           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | 25°     |
| <b>EX180T3 S</b>        | 18kW | 50A/phase      | 1.8           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | 25°     |
| <b>EX180T3 FS</b>       | 18kW | 50A/phase      | 1.8           | 6 AWG                      | 61°                 | 49°     | 41°     | 32°     | 25°     |
| <b>EX240T2T</b>         | 24kW | 67A/phase      | 0.7           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | —       |
| <b>EX240T2T EE</b>      | 24kW | 67A/phase      | 0.7           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | —       |
| <b>EX240T2T S</b>       | 24kW | 67A/phase      | 0.7           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | —       |
| <b>EX240T2T ML</b>      | 24kW | 67A/phase      | 0.3           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | —       |
| <b>EX240T2T FS</b>      | 24kW | 67A/phase      | 0.7           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | —       |
| <b>EX240T3</b>          | 24kW | 67A/phase      | 1.8           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | 34°     |
| <b>EX240T3 EE</b>       | 24kW | 67A/phase      | 1.8           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | 34°     |
| <b>EX240T3 S</b>        | 24kW | 67A/phase      | 1.8           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | 34°     |
| <b>EX240T3 FS</b>       | 24kW | 67A/phase      | 1.8           | 6 AWG                      | 82°                 | 66°     | 55°     | 43°     | 34°     |
| <b>VOLTS 480v Delta</b> |      |                |               |                            |                     |         |         |         |         |
| <b>ED020480T2T</b>      | 20kW | 24A/phase      | 0.7           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | —       |
| <b>ED020480T2T S</b>    | 20kW | 24A/phase      | 0.7           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | —       |
| <b>ED020480T2T ML</b>   | 20kW | 24A/phase      | 0.3           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | —       |
| <b>ED020480T2T FS</b>   | 20kW | 24A/phase      | 0.7           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | —       |
| <b>ED020480T3</b>       | 20kW | 24A/phase      | 1.8           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | 27°     |
| <b>ED020480T3 EE</b>    | 20kW | 24A/phase      | 1.8           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | 27°     |
| <b>ED020480T3 S</b>     | 20kW | 24A/phase      | 1.8           | 10 AWG                     | 68°                 | 55°     | 46°     | 34°     | 27°     |
| <b>ED024480T2T</b>      | 24kW | 29A/phase      | 0.7           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | —       |
| <b>ED024480T2T S</b>    | 24kW | 29A/phase      | 0.7           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | —       |
| <b>ED024480T2T ML</b>   | 24kW | 29A/phase      | 0.3           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | —       |
| <b>ED024480T2T FS</b>   | 24kW | 29A/phase      | 0.7           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | —       |
| <b>ED024480T3</b>       | 24kW | 29A/phase      | 1.8           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | 33°     |
| <b>ED024480T3 EE</b>    | 24kW | 29A/phase      | 1.8           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | 33°     |
| <b>ED024480T3 S</b>     | 24kW | 29A/phase      | 1.8           | 10 AWG                     | 82°                 | 66°     | 55°     | 41°     | 33°     |
| <b>ED032480T2T</b>      | 32kW | 38A/phase      | 0.7           | 6AWG                       | 109°                | 87°     | 73°     | 55°     | —       |
| <b>ED032480T2T S</b>    | 32kW | 38A/phase      | 0.7           | 6AWG                       | 109°                | 87°     | 73°     | 55°     | —       |
| <b>ED032480T2T ML</b>   | 32kW | 38A/phase      | 0.3           | 6AWG                       | 109°                | 87°     | 73°     | 55°     | —       |
| <b>ED032480T2T FS</b>   | 32kW | 38A/phase      | 0.7           | 6AWG                       | 109°                | 87°     | 73°     | 55°     | —       |
| <b>ED032480T3</b>       | 32kW | 38A/phase      | 1.8           | 10 AWG                     | 109°                | 87°     | 73°     | 55°     | 43°     |
| <b>ED032480T3 EE</b>    | 32kW | 38A/phase      | 1.8           | 10 AWG                     | 109°                | 87°     | 73°     | 55°     | 43°     |
| <b>ED032480T3 S</b>     | 32kW | 38A/phase      | 1.8           | 10 AWG                     | 109°                | 87°     | 73°     | 55°     | 43°     |
| <b>ED032480T3 FS</b>    | 32kW | 38A/phase      | 1.8           | 10 AWG                     | 109°                | 87°     | 73°     | 55°     | 43°     |



# De-Ionized, Single Module

Stainless steel and engineered plastics for all wetted components

## Specifications

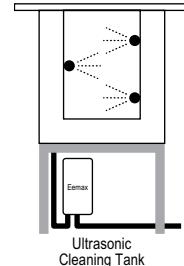
Electric Tankless Hot Water Heater

### Applications

- Microchip manufacturing
- Pharmaceutical production
- High tolerance component cleaning
- Ultrasonic cleaning
- Spray rinse tank
- Batch chemical mixing

### Performance Features

- Hot or cold water feed.
- Capable of heating high purity water with state of the art materials used in construction, rated for purity levels up to 18 MEG OHM
- Proven by independent analytical laboratory to maintain water purity. Test results available upon request
- Compact size allows for easy installation close to the point-of-use
- Thermostatic temperature control available with highly accurate micro processor to deliver +/-1°F outlet accuracy
- Eliminate deadlegs. Unique flow activated design allows for constant water movement, even when not heating
- Easy installation



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Product Specifications

**Dimensions** 10 3/4"H x 5 1/4"W x 2 7/8"D

**Weight:** Approximately 4 lbs.

**Fittings** 1/2" compression

**Temp Accuracy** +/-1° outlet accuracy

### Special Design Service

Inquiries for units for unique applications are welcome.

Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax De-Ionized model number EX\_\_\_\_\_.

Enclosure to be fitted with the following features:

Heating element shall be replaceable element cartridge. Unit shall be capable of heating water up to 18 MEG OHM quality or approved equal.

- N4** NEMA 4 waterproof cabinet w/powder coat finish  
 **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

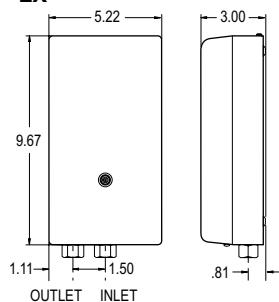
# De-Ionized, Single Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater

**"EX"**



| MODEL NUMBER                  | kW     | AMPS | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |          |         |         |         |
|-------------------------------|--------|------|----------------------------|---------------------|----------|---------|---------|---------|
|                               |        |      |                            | 0.5 GPM             | 0.75 GPM | 1.0 GPM | 1.5 GPM | 2.0 GPM |
| <b>VOLTS 120</b>              |        |      |                            |                     |          |         |         |         |
| C <b>EX2412T DI</b>           | 2.4kW  | 20A  | 10 AWG                     | 33°                 | 22°      | 16°     | 11°     | 8°      |
| C <b>EX3012T DI</b>           | 3.0kW  | 25A  | 10 AWG                     | 41°                 | 27°      | 20°     | 14°     | 10°     |
| C <b>EX3512T DI</b>           | 3.5kW  | 29A  | 10 AWG                     | 48°                 | 32°      | 24°     | 16°     | 12°     |
| <b>VOLTS 240*</b>             |        |      |                            |                     |          |         |         |         |
| C <b>EX35T DI</b>             | 3.5kW  | 15A  | 14 AWG                     | 48°                 | 32°      | 24°     | 16°     | 12°     |
| C <b>EX48T DI</b>             | 4.8kW  | 20A  | 12 AWG                     | 64°                 | 42°      | 31°     | 21°     | 16°     |
| C <b>EX55T DI</b>             | 5.5kW  | 23A  | 10 AWG                     | 75°                 | 50°      | 38°     | 25°     | 19°     |
| C <b>EX65T DI</b>             | 6.5kW  | 27A  | 10 AWG                     | —                   | 59°      | 44°     | 30°     | 22°     |
| C <b>EX75T DI</b>             | 7.5kW  | 32A  | 8 AWG                      | —                   | 68°      | 51°     | 34°     | 26°     |
| C <b>EX95T DI</b>             | 9.5kW  | 40A  | 8 AWG                      | —                   | 87°      | 65°     | 43°     | 32°     |
| <b>VOLTS 208 Single Phase</b> |        |      |                            |                     |          |         |         |         |
| C <b>EX8208T DI</b>           | 8.3kW  | 40A  | 8 AWG                      | —                   | 76°      | 57°     | 38°     | 28°     |
| <b>VOLTS 277</b>              |        |      |                            |                     |          |         |         |         |
| <b>EX3277T DI</b>             | 3.0kW  | 11A  | 14 AWG                     | 41°                 | 27°      | 20°     | 14°     | 10°     |
| <b>EX4277T DI</b>             | 4.1kW  | 15A  | 14 AWG                     | 56°                 | 37°      | 28°     | 18°     | 14°     |
| <b>EX60T DI</b>               | 6.0kW  | 22A  | 10 AWG                     | —                   | 55°      | 41°     | 27°     | 20°     |
| <b>EX80T DI</b>               | 8.0kW  | 29A  | 10 AWG                     | —                   | 73°      | 55°     | 36°     | 27°     |
| <b>EX90T DI</b>               | 9.0kW  | 33A  | 8 AWG                      | —                   | 82°      | 61°     | 41°     | 31°     |
| <b>EX100T DI</b>              | 10.0kW | 36A  | 8 AWG                      | —                   | 91°      | 68°     | 46°     | 34°     |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

\*C indicates evaluation and compliance to Underwriters Laboratories (UL) under CAN/CSA-C22.2 No. 64/No. 88.

# De-Ionized, Dual Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Microchip manufacturing
- Pharmaceutical production
- High tolerance component cleaning
- Ultrasonic cleaning
- Spray rinse tank
- Batch chemical mixing

### Quality Features

- Hot or cold water feed
- Capable of heating high purity water with state of the art materials used in construction, rated for purity levels up to 18 MEG OHM
- Proven by independent analytical laboratory to maintain water purity. Test results available upon request
- Compact size allows for easy installation close to the point-of-use
- Thermostatic temperature control available with highly accurate micro processor to deliver +/-1°F outlet accuracy
- Eliminate deadlegs. Unique flow activated design allows for constant water movement, even when not heating
- Easy installation

### Product Specifications

**Dimensions** 10 3/4"H x 5 1/4"W x 2 7/8"D

**Weight:** Approximately 10 lbs.

**Fittings** 1/2" compression

**Temp Accuracy** +/-1° outlet accuracy



(Representational Image)



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Special Design Service

Inquiries for units for unique applications are welcome.

Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax De-Ionized model number EX\_\_\_\_\_.

Heating element shall be replaceable element cartridge. Unit shall be capable of heating water up to 18 MEG OHM quality or approved equal.

Enclosure to be fitted with the following features:

- TC** Staged turn on 0.7 GPM, max. flow 3 GPM  
 **T2** Parallel turn on 1.5 GPM, max. flow 4 GPM  
 **N4** NEMA 4 waterproof cabinet w/powder coat finish  
 **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# De-Ionized, Dual Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

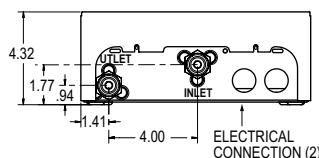
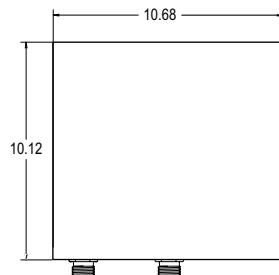
- TC** Staged heating elements
- T2** Parallel heating elements

| MODEL NUMBER                  | kW     | AMPS       | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |         |                 |
|-------------------------------|--------|------------|----------------------------|---------------------|---------|---------|---------|-----------------|
|                               |        |            |                            | 1.0 GPM             | 1.5 GPM | 2.0 GPM | 3.0 GPM | 4.0 GPM T2 ONLY |
| <b>VOLTS 240*</b>             |        |            |                            |                     |         |         |         |                 |
| C <b>EX144T2 DI</b>           | 15kW   | 64(2x32)A  | 8 AWG                      | -                   | 65°     | 51°     | 34°     | 26°             |
| C <b>EX144TC DI</b>           | 15kW   | 64(2x32)A  | 8 AWG                      | +                   | 65°     | 51°     | 34°     | -               |
| C <b>EX190T2 DI</b>           | 19kW   | 80(2x40)A  | 8 AWG                      | -                   | 87°     | 65°     | 43°     | 32°             |
| C <b>EX190TC DI</b>           | 19kW   | 80(2x40)A  | 8 AWG                      | +                   | 87°     | 65°     | 43°     | -               |
| <b>EX280T2T DI</b>            | 28.5kW | 120(3x40)A | 8 AWG                      | +                   | +       | +       | 64°     | 48°             |
| <b>VOLTS 208 Single Phase</b> |        |            |                            |                     |         |         |         |                 |
| C <b>EX160T2 DI</b>           | 16.6kW | 80(2x40)A  | 8 AWG                      | -                   | 75°     | 57°     | 38°     | 28°             |
| C <b>EX160TC DI</b>           | 16.6kW | 80(2x40)A  | 8 AWG                      | +                   | 75°     | 57°     | 38°     | -               |
| <b>VOLTS 277</b>              |        |            |                            |                     |         |         |         |                 |
| <b>EX160T2 DI</b>             | 16kW   | 58(2x29)A  | 10 AWG                     | -                   | 73°     | 55°     | 36°     | 27°             |
| <b>EX160TC DI</b>             | 16kW   | 58(2x29)A  | 10 AWG                     | +                   | 73°     | 55°     | 36°     | -               |
| <b>EX200TC DI</b>             | 20kW   | 72(2x36)A  | 8 AWG                      | +                   | 91°     | 68°     | 46°     | -               |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to Underwriters Laboratories (UL) under CAN/CSA-C22.2 No. 64/No. 88.



# De-Ionized, Triple Module

Three phase – 18kW to 32kW and single phase 28kW

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Microchip manufacturing
- Pharmaceutical production
- High tolerance component cleaning
- Ultrasonic cleaning
- Spray rinse tank
- Batch chemical mixing

### Quality Features

- Hot or cold water feed
- Capable of heating high purity water with state of the art materials used in construction, rated for purity levels up to 18 MEG OHM
- Proven by independent analytical laboratory to maintain water purity. Test results available upon request
- Compact size allows for easy installation close to the point-of-use
- Thermostatic temperature control available with highly accurate micro processor to deliver  $+/-1^{\circ}\text{F}$  outlet accuracy
- Eliminate deadlegs. Unique flow activated design allows for constant water movement, even when not heating
- Easy installation

### Product Specifications

**Dimensions** 10 3/4"H x 5 1/4"W x 2 7/8"D

**Weight:** Approximately 15 lbs.

**Fittings** 1/2" compression

**Temp Accuracy**  $+/-1^{\circ}$  outlet accuracy

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax De-Ionized model number EX\_\_\_\_\_.

Heating element shall be replaceable element cartridge. Unit shall be capable of heating water up to 18 MEG OHM quality or approved equal.

Enclosure to be fitted with the following features:

- T2T** Staged turn on 0.7 GPM, max. flow 4 GPM  
 **T3** Parallel turn on 1.8 GPM, max. flow 5 GPM  
 **N4** NEMA 4 waterproof cabinet w/powder coat finish  
 **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

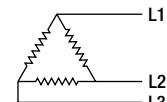
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 208V

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)

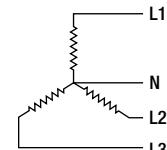


#### Eemax 480Y/277

#### Three Phase Units

#### Star Configuration

Requires: 3 Lives, 1 Neutral and 1 Ground (earth)



# De-Ionized, Triple Module

Triple module, commercial/industrial thermostatic 3-phase heater

## Specifications

Electric Tankless Hot Water Heater

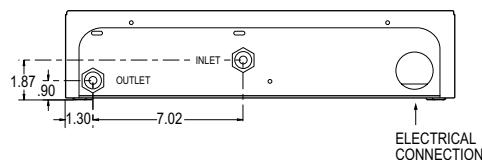
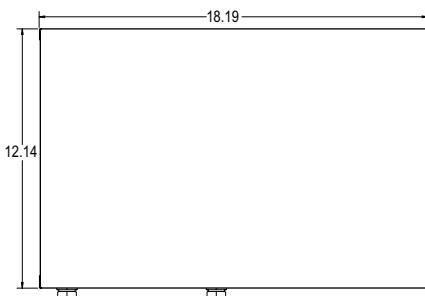
### Suffix Definitions

- T2T** Staged heating elements
- T3** Parallel heating elements

| MODEL NUMBER                                    | kW     | AMPS PER PHASE | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |                 |
|---|--------|----------------|----------------------------|---------------------|---------|---------|-----------------|
|   |        |                |                            | 2.0 GPM             | 3.0 GPM | 4.0 GPM | 5.0 GPM T3 ONLY |
| <b>VOLTAGE - 208V/3 Ø Delta-no neutral leg</b>  |        |                |                            |                     |         |         |                 |
| <b>EX180T2T DI</b>                              | 18kW   | 50A/phase      | 6 AWG                      | 61°                 | 41°     | 31°     | —               |
| <b>EX180T3 DI</b>                               | 18kW   | 50A/phase      | 6 AWG                      | 61°                 | 41°     | 31°     | 25°             |
| <b>EX240T2T DI</b>                              | 24kW   | 67A/phase      | 6 AWG                      | 82°                 | 55°     | 41°     | —               |
| <b>EX240T3 DI</b>                               | 24kW   | 67A/phase      | 6 AWG                      | 82°                 | 55°     | 41°     | 33°             |
| <b>VOLTAGE - 240V Single Phase*</b>             |        |                |                            |                     |         |         |                 |
| <b>EX280T2T DI</b>                              | 28.5kW | 120(3x40)A     | 8 AWG                      | +                   | 64°     | 48°     | —               |
| <b>VOLTAGE - 480Y/277V Neutral leg required</b> |        |                |                            |                     |         |         |                 |
| <b>EX180T2T-277 DI</b>                          | 18kW   | 22A/phase      | 10 AWG                     | 61°                 | 41°     | 31°     | —               |
| <b>EX240T2T-277 DI</b>                          | 24kW   | 29A/phase      | 10 AWG                     | 82°                 | 55°     | 41°     | —               |
| <b>EX240T3-277 DI</b>                           | 24kW   | 29A/phase      | 10 AWG                     | 82°                 | 55°     | 41°     | 33°             |
| <b>EX320T2T-277 DI</b>                          | 32kW   | 39A/phase      | 8 AWG                      | +                   | 73°     | 55°     | —               |
| <b>EX320T3-277 DI</b>                           | 32kW   | 39A/phase      | 8 AWG                      | +                   | 73°     | 55°     | 44°             |
| <b>VOLTAGE - 480V Delta</b>                     |        |                |                            |                     |         |         |                 |
| <b>ED020480T2T DI</b>                           | 20kW   | 24A/phase      | 10AWG                      | 68°                 | 46°     | 34°     | —               |
| <b>ED024480T2T DI</b>                           | 24kW   | 29A/phase      | 10AWG                      | 82°                 | 55°     | 41°     | —               |
| <b>ED032480T2T DI</b>                           | 32kW   | 38A/phase      | 6AWG                       | 109°                | 73°     | 55°     | —               |

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.



# Series Six Commercial

Six module, commercial/industrial for emergency eye/face applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Commercial/Industrial
- Eye/Face combo "Tepid" Water option (EF) Meets ANSI Z358.1 "Tepid" Water Requirements for Emergency Eye/Face wash range of (65°-90°F)
- Boosters applications to 180°F (S option)

### Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save water – "Point of use application"
- Continuous hot water – no storage capacity to run out
- Factory set temperature available. Range ambient to 180°F
- Capacity to 12 GPM (T6 only), 6 GPM (T24T)
- Meets ANSI Z358.1 Tepid Water Requirements (EE)
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Reduces calcification, liming and sedimentation
- Warranty – Five (5) years leaks and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year

### Optional Features

- Emergency eye/face wash. Meets ANSI tepid water requirements
- Staged heating elements. Turn on min. flow 1 GPM, max. flow 6 GPM. Sign off required
- Parallel heating elements. Turn on min. flow 3.5 GPM, max. flow 12 GPM. Sign off required
- Factory set ambient to 180°
- Sanitation 180F°
- N4, N4X (304SS) enclosures

### Product Specifications

|            |  |
|------------|--|
| Dimensions | 32 3/32" H x 20 3/32" W x 6 3/32" D                |
| Weight     | 42 lbs.  |
| Cover      | Powder Coated Steel                                |
| Color      | Yellow   |
| Element    | Six replaceable cartridge elements plus two spares |
| Fittings   | 1" NPT fittings at BOTTOM of unit                  |
| Pressure   | Min. 40 PSI, max. 150 PSI                          |
| UL Listed  | E86887(m)  |

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### For reference only.

Product will not be available  
after 12/31/2014.

Refer to SpecAdvantage and  
SafeAdvantage product  
on pages 7 and 8.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

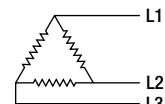
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# Series Six Commercial

Six module, commercial/industrial for emergency eye/face applications

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

|             |  |
|-------------|--|
| <b>T24T</b> | Staged Heating Elements  |
| <b>T6</b>   | Parallel Heating Elements  |
| <b>EF</b>   | Meets ANSI Z358.1 emergency eye/face wash tepid water requirements |
| <b>FS</b>   | Factory set ambient to 180°F                                       |
| <b>S</b>    | Sanitation 180°F   |

| MODEL NUMBER            | KW | AMPS PER PHASE | TURN ON (GPM) | RECOMMENDED WIRE SIZE | TEMPERATURE RISE °F |         |         |         |         |          |          |
|-------------------------|----|----------------|---------------|-----------------------|---------------------|---------|---------|---------|---------|----------|----------|
|                         |    |                |               |                       | 4.0 GPM             | 5.0 GPM | 6.0 GPM | 7.5 GPM | 8.0 GPM | 10.0 GPM | 12.0 GPM |
| <b>VOLTS 208V/3 Ø</b>   |    |                |               |                       |                     |         |         |         |         |          |          |
| <b>EX360T24T</b>        | 36 | 100A/phase     | 1             | 1 AWG                 | 61°                 | 49°     | 41°     | —       | —       | —        | —        |
| <b>EX360T6</b>          | 36 | 100A/phase     | 3.5           | 1 AWG                 | 61°                 | 49°     | 41°     | 32°     | 30°     | 24°      | 20°      |
| <b>EX480T24T</b>        | 48 | 133A/phase     | 1             | 2/0 AWG               | 82°                 | 65°     | 54°     | —       | —       | —        | —        |
| <b>EX480T6</b>          | 48 | 133A/phase     | 3.5           | 2/0 AWG               | 82°                 | 65°     | 54°     | 43°     | 41°     | 32°      | 27°      |
| <b>VOLTS 480V Delta</b> |    |                |               |                       |                     |         |         |         |         |          |          |
| <b>ED039480T24T</b>     | 39 | 47A/phase      | 1             | 6 AWG                 | 67°                 | 53°     | 44°     | —       | —       | —        | —        |
| <b>ED048480T24T</b>     | 48 | 58A/phase      | 1             | 4 AWG                 | 82°                 | 66°     | 55°     | —       | —       | —        | —        |
| <b>ED054480T24T</b>     | 54 | 65A/phase      | 1             | 4 AWG                 | 92°                 | 74°     | 61°     | —       | —       | —        | —        |
| <b>ED063480T24T</b>     | 63 | 76A/phase      | 1             | 3 AWG                 | 109°                | 86°     | 72°     | —       | —       | —        | —        |

### SERIES SIX TO PHD CROSSOVER GUIDE

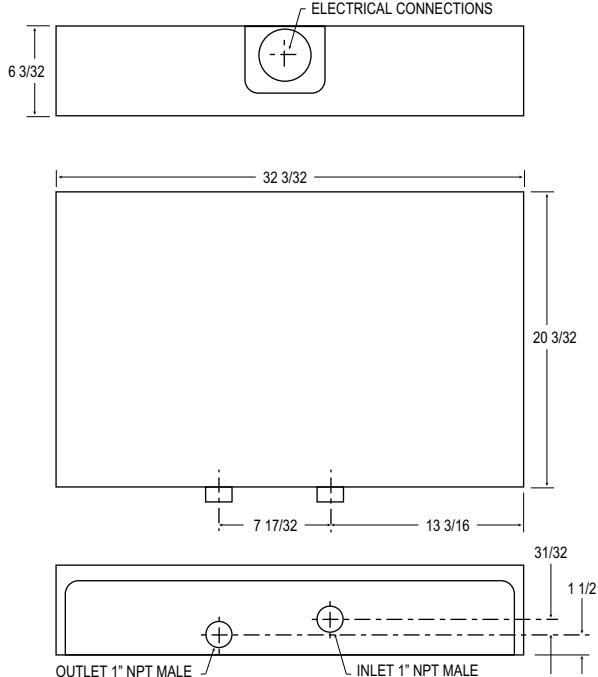
| BASE MODEL NUMBER   | KW | VOLTS | AMPS | ° RISE AT 6 GPM | ELECTRICAL CONNECTIONS | BASE MODEL NUMBER | KW | VOLTS | AMPS | ° RISE AT 6 GPM |
|---------------------|----|-------|------|-----------------|------------------------|-------------------|----|-------|------|-----------------|
| <b>EX360T6/T24T</b> | 36 | 208   | 100  | 41              | >                      | <b>AP032208</b>   | 32 | 208   | 89   | 36              |
| <b>EX480T6/T24T</b> | 48 | 208   | 133  | 54              | >                      | <b>AP41208</b>    | 41 | 208   | 112  | 47              |
|                     |    |       |      |                 |                        | <b>AP54208</b>    | 54 | 208   | 150  | 61              |
| <b>ED039480T24T</b> | 39 | 480   | 47   | 44              | >                      | <b>AP036480</b>   | 36 | 480   | 43   | 41              |
|                     |    |       |      |                 |                        | <b>AP048480</b>   | 48 | 480   | 58   | 55              |
| <b>ED048480T24T</b> | 48 | 480   | 58   | 55              | >                      | <b>AP048480</b>   | 48 | 480   | 58   | 55              |
| <b>ED054480T24T</b> | 54 | 480   | 65   | 61              | >                      | <b>AP054480</b>   | 54 | 480   | 65   | 61              |
| <b>ED063480T24T</b> | 63 | 480   | 76   | 72              | >                      | <b>AP054480</b>   | 54 | 480   | 65   | 61              |
|                     |    |       |      |                 |                        | <b>AP072480</b>   | 72 | 480   | 87   | 82              |

### For reference only.

Product will not be available after

12/31/2014.

Refer to SpecAdvantage and SafeAdvantage product on pages 7 and 8.



# Series Twelve Commercial

Twelve Module, Commercial/Industrial for Emergency Eye/Face and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Emergency combination eye/face drench shower (EFD)
- Emergency drench shower only (DS)
- Where tepid water is needed

### Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save water – “Point of use application”
- Continuous hot water – no storage capacity to run out
- Unlimited On Demand Hot Water – No delay
- Meets ANSI Z358.1 Tepid Water Requirements
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Reduces calcification, liming and sedimentation
- Warranty – Five (5) years leaks and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year

### Optional Features

- Freeze protection for harsh climate, up to -30°F
- GFCI
- Safety alerting light and siren.
- N4, N4X (304SS) enclosures

### Product Specifications

|            |   |
|------------|---|
| Dimensions | 32 3/32" H x 32 3/32" W x 6" D                        |
| Weight     | 70 lbs.   |
| Cover      | Powder Coated Steel                                   |
| Color      | Yellow  |
| Element    | Twelve replaceable cartridge elements plus two spares |
| Fittings   | 1.25" NPT fittings at BOTTOM of unit                  |
| Pressure   | Min. 40 PSI, max. 150 PSI                             |
| UL Listed  | E86887(m)   |

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

**For reference only.**

Product will not be available  
after 12/31/2014.  
Refer to SpecAdvantage and  
SafeAdvantage product  
on pages 7 and 8.



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

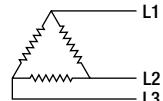
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# Series Twelve Commercial

Twelve Module, Commercial/Industrial for Emergency Eye/Face and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

- EFD** For combination Eye/Face drench shower. First Stage 3 GPM turn on (with reduced power for eye/face wash). Second Stage 15 GPM turn on (full power for drench shower)
- DS** For drench shower only. (min. turn on 12 GPM)

| MODEL NUMBER             | kW  | AMPS PER PHASE | TURN ON (GPM) | RECOMMENDED WIRE SIZE (CU) | TEMPERATURE RISE °F |         |         |         |          |          |          |          |
|--------------------------|-----|----------------|---------------|----------------------------|---------------------|---------|---------|---------|----------|----------|----------|----------|
|                          |     |                |               |                            | 3.0 GPM             | 4.0 GPM | 6.0 GPM | 7.5 GPM | 20.0 GPM | 23.5 GPM | 26.0 GPM | 30.0 GPM |
| <b>VOLTS 208V/3 Ø</b>    |     |                |               |                            |                     |         |         |         |          |          |          |          |
| <b>EX480T12 EFD</b>      | 48  | 133A/phase     | 3 & 15        | 2/0 AWG                    | 54°                 | 41°     | 27°     | 21°     | 16°      | 14°      | 12°      | —        |
| <b>EX480T12 DS</b>       | 48  | 133A/phase     | 12            | 2/0 AWG                    | —                   | —       | —       | —       | 16°      | 14°      | 12°      | —        |
| <b>EX720T12 EFD</b>      | 72  | 200A/phase     | 3 & 15        | 200 MCM                    | 80°                 | 61°     | 40°     | 32°     | 24°      | 21°      | 18°      | —        |
| <b>EX720T12 DS</b>       | 72  | 200A/phase     | 12            | 200 MCM                    | —                   | —       | —       | —       | 24°      | 21°      | 18°      | —        |
| <b>EX960T12 EFD</b>      | 96  | 267A/phase     | 3 & 15        | 400 MCM                    | 108°                | 81°     | 54°     | 43°     | 32°      | 28°      | 25°      | —        |
| <b>EX960T12 DS</b>       | 96  | 267A/phase     | 12            | 400 MCM                    | —                   | —       | —       | —       | 32°      | 28°      | 25°      | —        |
| <b>VOLTS 480Y/277V</b>   |     |                |               |                            |                     |         |         |         |          |          |          |          |
| <b>EX480T12 EFD-277*</b> | 48  | 58A/phase      | 3 & 15        | 6 AWG                      | 54°                 | 41°     | 27°     | 22°     | 16°      | 14°      | 12°      | —        |
| <b>EX580T12 EFD-277*</b> | 58  | 76A/phase      | 3 & 15        | 4 AWG                      | 66°                 | 50°     | 33°     | 26°     | 20°      | 17°      | 15°      | —        |
| <b>ED079480T12 EFD</b>   | 79  | 96A/phase      | 3 & 15        | 1 AWG                      | +                   | 67°     | 44°     | 35°     | 26°      | 23°      | 20°      | —        |
| <b>ED096480T12 EFD</b>   | 96  | 116A/phase     | 3 & 15        | 1/0 AWG                    | +                   | +       | 54°     | 43°     | 32°      | 28°      | 25°      | —        |
| <b>ED108480T12 EFD</b>   | 108 | 130A/phase     | 3 & 15        | 2/0 AWG                    | +                   | +       | 61°     | 49°     | 36°      | 32°      | 28°      | —        |
| <b>ED126480T12 EFD</b>   | 126 | 152A/phase     | 3 & 15        | 3/0 AWG                    | +                   | +       | +       | 57°     | 43°      | 37°      | 33°      | —        |
| <b>ED138480T12 EFD</b>   | 138 | 166A/phase     | 3 & 15        | 4/0 AWG                    | +                   | +       | +       | 62°     | 47°      | 40°      | 36°      | 32°      |
| <b>ED150480T12 DS</b>    | 150 | 180A/phase     | 12            | 4/0 AWG                    | —                   | —       | —       | —       | 51°      | 45°      | 39°      | 34°      |
| <b>VOLTS 600V Delta</b>  |     |                |               |                            |                     |         |         |         |          |          |          |          |
| C <b>ED130600T12 EFD</b> | 130 | 130A/phase     | 3 & 15        | 2/0 AWG                    | +                   | +       | +       | +       | 46°      | 40°      | 35°      | 30°      |
| C <b>ED130600T12 DS</b>  | 130 | 130A/phase     | 12            | 2/0 AWG                    | —                   | —       | —       | —       | 46°      | 40°      | 35°      | 30°      |
| C <b>ED150600T12 DS</b>  | 150 | 145A/phase     | 12            | 2/0 AWG                    | —                   | —       | —       | —       | 53°      | 46°      | 41°      | 34°      |

\* Wye – Neutral Leg Required

+ Temperature electrically limited to factory preset not-to-exceed temperature.

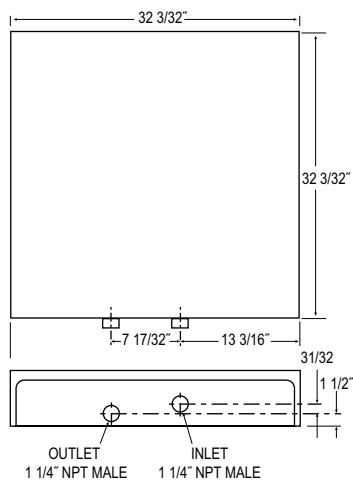
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

**For reference only.**  
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available after  
**12/31/2014.**  
Refer to  
SpecAdvantage and  
SafeAdvantage  
product on pages  
7 and 8.

### SERIES TWELVE TO PHD CROSSOVER GUIDE

| BASE MODEL NUMBER       | KW  | VOLTS       | AMPS | °RISE AT 20 GPM |   | BASE MODEL NUMBER                               | KW  | VOLTS | AMPS | °RISE AT 20 GPM |
|-------------------------|-----|-------------|------|-----------------|---|---|-----|-------|------|-----------------|
| <b>EX480T12 EFD/DS</b>  | 48  | 208         | 133  | 16.3            | → | <b>AP041208 EFD</b>                             | 41  | 208   | 112  | 14              |
| <b>EX720T12 EFD/DS</b>  | 72  | 208         | 200  | 24              | → | <b>AP064208 EFD</b>                             | 64  | 208   | 178  | 22              |
| <b>EX960T12 EFD/DS</b>  | 96  | 208         | 267  | 32              | → | <b>Call Technical Support at 1-800-543-6163</b> |     |       |      |                 |
| <b>EX480T12 EFD-277</b> | 48  | 480/277 wye | 58   | 16              | → | <b>AP048480 EFD</b>                             | 48  | 480   | 65   | 16              |
| <b>ED079480T12 EFD</b>  | 79  | 480         | 96   | 26              | → | <b>AP072480 EFD</b>                             | 72  | 480   | 87   | 25              |
| <b>ED096480T12 EFD</b>  | 96  | 480         | 116  | 32              | → | <b>AP072480 EFD</b>                             | 72  | 480   | 87   | 25              |
| <b>ED108480T12 EFD</b>  | 108 | 480         | 130  | 37              | → | <b>AP108480 EFD</b>                             | 108 | 480   | 130  | 37              |
| <b>ED126480T12 EFD</b>  | 126 | 480         | 152  | 43              | → | <b>AP126480 EFD</b>                             | 126 | 480   | 152  | 43              |

For assistance call technical support at **1-800-543-6163**



# Accessories and Replacement Parts

## Accessories

| MODEL NUMBER         | DESCRIPTION  |
|----------------------|--|
| <b>EX0061-0.5AER</b> | 1/2 GPM Aerator (Male 15/16"-27, Female 55/64"-27)               |
| <b>EX0061-1.0AER</b> | 1 GPM Aerator (Male 15/16"-27, Female 55/64"-27)                 |
| <b>EX145</b>         | Element Removal Tool   |
| <b>EX176</b>         | 3/8C X 1/2 FIP Stainless Steel Flexible Water Connector 16" Long |
| <b>EX177</b>         | 3/8C X 3/8 OD Stainless Steel Flexible Water Connector 16" Long  |

## Replacement Parts – Excluding Elements

| MODEL NUMBER                       | DESCRIPTION   |
|------------------------------------|---|
| <b>CIRCUIT BOARDS – RELAY TYPE</b> |   |
| <b>EX0284E-309-240-KIT</b>         | 240V Thermostatic Circuit Board For EX0309-240V Display Board – HomeAdvantage/ProAdvantage              |
| <b>EX0309-240V</b>                 | Display Board w/Push Button Temperature Control – HomeAdvantage/ ProAdvantage                           |
| <b>EX0183DL-30A</b>                | 208/240/277V Circuit Board Flow Control 30 Amp for units under 6.5kW                                    |
| <b>EX0183DL-40A</b>                | 208/240/277V Circuit Board Flow Control 40 Amp for units over 6.5kW                                     |
| <b>EX100S-208V</b>                 | 208v/277v Dual Voltage Slave Board Readout  |
| <b>EX284AB-120-KIT</b>             | 120V Thermostatic Circuit Board   |
| <b>EX284AB-240-KIT</b>             | 240V Thermostatic Circuit Board   |
| <b>EX284AB-240ML-KIT</b>           | 240V Thermostatic Circuit Board Multiple Lavatory   |
| <b>EX284AB-277-KIT</b>             | 277V Thermostatic Circuit Board   |
| <b>EX100CV-480V</b>                | 480V Delta Thermostatic Control Board – Master  |
| <b>EX100S-480V</b>                 | 480V Delta Thermostatic Control Board – Slave   |
| <b>EX284AB-120AM-KIT</b>           | 120V Thermostatic Circuit Board For AccuMix   |
| <b>EX284AB-240AM-KIT</b>           | 240V Thermostatic Circuit Board For AccuMix   |
| <b>EX284AB-277AM-KIT</b>           | 277V Thermostatic Circuit Board For AccuMix   |
| <b>EX284AB-277ML-KIT</b>           | 277V Thermostatic Circuit Board For Multiple Lavatory   |
| <b>TRIACS</b>                      |   |
| <b>EX18-KIT</b>                    | Triac -all except 12kW "square" type  |
| <b>ECO</b>                         |   |
| <b>EX08100-02</b>                  | 480V ECO – EE/EFD Temperature Range   |
| <b>EX08100-03</b>                  | 480V ECO – Standard Temperature Range   |
| <b>EX08100-04</b>                  | 480V ECO – Sanitation Temperature Range   |
| <b>EX278A-KIT</b>                  | ECO – Option A – Standard Temperature Range – Standard Units  |
| <b>EX278D-KIT</b>                  | ECO – Option D – Sanitation (yellow dot) – Sanitize Units   |
| <b>EX278E-KIT</b>                  | ECO – Option E – "EE" Tepid (white dot) – Emergency Eye Wash, Face Wash, Drench Shower                  |
| <b>RELAYS</b>                      |   |
| <b>EX08002-01</b>                  | Relay-480V Delta 40a  |
| <b>EX250B</b>                      | Relay 120V 30 Amp for SP/EX2412(M), SP/EX3012(M), SP/EX3512(M)  |
| <b>EX251B</b>                      | Relay 277V 30 Amp for SP3277,SP4277,SP/EX 60, SP/EX 80  |
| <b>EX253B</b>                      | Relay 277V 40 Amp for SP/EX 60T, SP/EX 80T, SP/EX 90(T), SP/EX 100(T), EX160, EX200                     |
| <b>EX254B</b>                      | Relay-208v 30a for EX/SP3208, EX/SP4208   |
| <b>EX259B</b>                      | Relay-120v 40a for EX2412T, EX3012T, EX3512T  |
| <b>EX255B</b>                      | Relay 240V 40 Amp for EX/SP 48T, SP/EX 55T, SP/EX 65T, SP/EX 75(T), SP/EX 8208(T), SP/EX 95(T), EX120TC |
| <b>EX1050-1</b>                    | Relay 208V-240V 50 Amp for EX012240T, EX023240TC, SS012240T,SS023240TC                                  |
| <b>EX256B</b>                      | Relay-208v 75a for all 208 Volt 3 Phase   |
| <b>EX257B</b>                      | Relay-277v 40a for all Legacy 480 Volt 3 Phase  |
| <b>EX258</b>                       | Relay-240v 40a EXPORT ONLY  |

## Replacement Parts – Heating Elements

| MODEL NUMBER                    | ELEMENT CARTRIDGE | MODEL NUMBER                   | ELEMENT CARTRIDGE |
|---------------------------------|-------------------|--------------------------------|-------------------|
| <b>SINGLE POINT "SP" MODELS</b> |                   |                                |                   |
| <b>SP2412</b>                   | EX610             | <b>EX360 (T6,T24T) 277V</b>    | EX1280            |
| <b>SP3012</b>                   | EX480             | <b>EX360 (T6,T24T) 208V</b>    | EX720             |
| <b>SP3512</b>                   | EX410             | <b>EX480 (T6,T24T) 277V</b>    | EX960             |
| <b>SP3208</b>                   | EX1440            | <b>EX480 (T6,T24T) 208V</b>    | EX560             |
| <b>SP4208</b>                   | EX1050            | <b>EX540 (T6,T24T) 277V</b>    | EX850             |
| <b>SP35</b>                     | EX1650            | <b>EX630 (T6,T24T) 277V</b>    | EX730             |
| <b>SP48</b>                     | EX1200            | <b>ED039480 (T6,T24T) 480V</b> | EX3491            |
| <b>SP55</b>                     | EX1050            | <b>ED048480 (T6,T24T) 480V</b> | EX2880            |
| <b>SP3277</b>                   | EX260             | <b>ED054480 (T6,T24T) 480V</b> | EX2560            |
| <b>SP4277</b>                   | EX1870            | <b>ED063480 (T6,T24T) 480V</b> | EX2194            |
| <b>EX AND EX-T MODELS</b>       |                   |                                |                   |
| <b>EX35 (T)</b>                 | EX1650            | <b>EX360 (T12) 208V</b>        | EX1440            |
| <b>EX48 (T)</b>                 | EX1200            | <b>EX480 (T12) 208V</b>        | EX1080            |
| <b>EX55 (T)</b>                 | EX1050            | <b>EX480 (T12) 277V</b>        | EX1920            |
| <b>EX65 (T)</b>                 | EX890             | <b>EX720 (T12) 208V</b>        | EX720             |
| <b>EX75 (T)</b>                 | EX770             | <b>EX720 (T12) 277V</b>        | EX1280            |
| <b>EX95 (T)</b>                 | EX630             | <b>EX960 (T12) 208V</b>        | EX560             |
| <b>EX012240 (T)</b>             | EX500 PRT         | <b>EX960 (T12) 277V</b>        | EX960             |
| <b>EX8208 (T)</b>               | EX520             | <b>EX1080 (T12) 277V</b>       | EX850             |
| <b>EX4277 (T)</b>               | EX1870            | <b>EX1260 (T12) 277V</b>       | EX730             |
| <b>EX60 (T)</b>                 | EX1280            | <b>ED079480T12 EFD 480V</b>    | EX3491            |
| <b>EX80 (T)</b>                 | EX960             | <b>ED096480T12 EFD 480V</b>    | EX2880            |
| <b>EX90 (T)</b>                 | EX850             | <b>ED108480T12 EFD 480V</b>    | EX2560            |
| <b>EX100 (T)</b>                | EX760             | <b>ED126480T12 EFD 480V</b>    | EX2194            |
| <b>SERIES TWO MODELS</b>        |                   |                                |                   |
| <b>EX120 (T2, TC)</b>           | EX1000            | <b>ED138480T12 EFD 480V</b>    | EX2003            |
| <b>EX144 (T2, TC)</b>           | EX770             | <b>ED0150480T12 DS 480V</b>    | EX1840            |
| <b>EX190 (T2, TC)</b>           | EX630             | <b>HOMEADVANTAGE MODELS</b>    |                   |
| <b>EX023240 (T2, TC)</b>        | EX500 PRT         | <b>SS012240T</b>               | EX500             |
| <b>EX1608 (T2, TC)</b>          | EX520             | <b>SS015240TC</b>              | EX770             |
| <b>EX160 (T2, TC)</b>           | EX960             | <b>SS019240TC</b>              | EX630             |
| <b>EX200 (T2, TC)</b>           | EX760             | <b>SS023240TC</b>              | EX500 PRT         |
| <b>SERIES THREE MODELS</b>      |                   |                                |                   |
| <b>EX280</b>                    | EX630             | <b>SS029240T2T</b>             | EX630             |
| <b>SERIES FOUR MODELS</b>       |                   |                                |                   |
| <b>EX380</b>                    | EX630             | <b>SS038240T2T2</b>            | EX630             |
| <b>PROADVANTAGE MODELS</b>      |                   |                                |                   |
| <b>PA004120T</b>                | EX410             | <b>ACCUMIX MODELS</b>          |                   |
| <b>PA008208T</b>                | EX520             | <b>MTO04120T</b>               | EX410             |
| <b>PA005240T</b>                | EX1200            | <b>MTO05240T</b>               | EX1200            |
| <b>PA007240T</b>                | EX890             | <b>MTO07240T</b>               | EX890             |
| <b>PA010240T</b>                | EX630             | <b>MTO10240T</b>               | EX630             |
| <b>PA012240T</b>                | EX500             | <b>MTO08277T</b>               | EX960             |
| <b>PA008277T</b>                | EX960             | <b>MTO10277T</b>               | EX760             |
| <b>PA010277T</b>                | EX760             | <b>MBO04120T</b>               | EX410             |
| <b>PA014240TC</b>               | EX770             | <b>MBO05240T</b>               | EX1200            |
| <b>PA016277TC</b>               | EX960             | <b>MBO07240T</b>               | EX890             |
| <b>PA019240TC</b>               | EX630             | <b>MBO10240T</b>               | EX630             |
| <b>PA020277TC</b>               | EX760             | <b>MBO12240T</b>               | EX500 PRT         |
| <b>PA023240TC</b>               | EX500 PRT         | <b>MBO08277T</b>               | EX960             |
| <b>PA028240T2T</b>              | EX630             | <b>MBO10277T</b>               | EX760             |
| <b>PA018208T2T</b>              | EX720             | <b>MINI TANK MODELS</b>        |                   |
| <b>PA024208T2T</b>              | EX720             | <b>EMT1</b>                    | Call Eemax        |
| <b>PA018277T2T</b>              | EX1260            | <b>EMT2.5</b>                  | Call Eemax        |
| <b>PA024277T2T</b>              | EX960             | <b>EMT4</b>                    | Call Eemax        |
| <b>PA032277T2T</b>              | EX720             | <b>EMT6</b>                    | Call Eemax        |
| <b>THREE PHASE MODELS</b>       |                   |                                |                   |
| <b>EX180 (T3,T2T) 277V</b>      | EX1280            |                                |                   |
| <b>EX180 (T3,T2T) 208V</b>      | EX720             |                                |                   |
| <b>EX240 (T3,T2T) 277V</b>      | EX960             |                                |                   |
| <b>EX240 (T3,T2T) 208V</b>      | EX560             |                                |                   |
| <b>EX320 (T3,T2T) 277V</b>      | EX720             |                                |                   |
| <b>ED020480T2T 480V</b>         | EX3454            |                                |                   |
| <b>ED024480T2T 480V</b>         | EX2880            |                                |                   |
| <b>ED032480T2T 480V</b>         | EX2194            |                                |                   |

# Accessories and Replacement Parts

Continued

## SpecAdvantage and SafeAdvantage Replacement Parts

| MODEL NUMBER                   | FOR USE WITH   |
|--------------------------------|--|
| <b>TRANSFORMERS</b>            |  |
| <b>EX08303-07</b>              | AP032208, AP041208, AP054208, AP064208   |
| <b>EX08303-05</b>              | AP036480, AP048480   |
| <b>EX08303-08</b>              | AP054480, AP072480, AP108480, AP126480, AP144480   |
| <b>EX08303-06</b>              | AP130600, AP150600   |
| <b>CIRCUIT BOARDS - PhD</b>    |  |
| <b>EX08300-00</b>              | Main Control Board - Used on all PhD products  |
| <b>EX08601-00</b>              | Hall Effects Flow meter board - Used on all PhD products   |
| <b>EX78001-00</b>              | Optical Sensor board assembly includes board, lens, filter, o-ring, screws   |
| <b>FUSES</b>                   |  |
| <b>EX198</b>                   | AP032208, AP054208, AP072480, AP108480   |
| <b>EX08200-11</b>              | AP041208, AP064208, AP126480   |
| <b>EX08200-13</b>              | AP144480, AP130600, AP150600   |
| <b>EX08100-07</b>              | AP054480   |
| <b>FLOW METER KITS</b>         |  |
| <b>EX78000-00</b>              | AP032208, AP041208, AP054208, AP64208, AP036480, AP048480, AP054480  |
| <b>EX78000-01</b>              | AP064208, AP072480, AP108480, AP126480, AP144480, AP130600, AP150600<br>Kits include housing, board, screws, wheel, o-ring, nuts |
| <b>TRIACS/RELAY</b>            |  |
| <b>EX78002-00</b>              | Triac Kit includes Triac and Board - All 208V & 480V PhD products  |
| <b>EX08200-12</b>              | Relay - Used on all 600V PhD products except AP144480  |
| <b>ELEMENTS</b>                |  |
| <b>EX77000-8.12</b>            | AP032208 and AP144480  |
| <b>EX77000-6.33</b>            | AP041208   |
| <b>EX77000-4.81</b>            | AP054208   |
| <b>EX77000-4.06</b>            | AP064208   |
| <b>EX77000-9.6</b>             | AP144480   |
| <b>EX77000-19.2</b>            | AP036480, AP072480   |
| <b>EX77000-14.4</b>            | AP048480, AP150600   |
| <b>EX77000-12.8</b>            | AP054480, AP108480   |
| <b>EX77000-10.97</b>           | AP126480   |
| <b>EX77000-16.6</b>            | AP130600   |
| <b>EMERGENCY CUT-OFF (ECO)</b> |  |
| <b>EX278A-KIT</b>              | Used on all PhD products except EE, EFD, S   |
| <b>EX278D-KIT</b>              | Used on PhD products with S & DB options   |
| <b>EX278E-KIT</b>              | Used on PhD products with EE, EFD options  |
| <b>CONTACTORS</b>              |  |
| <b>EX08306-02</b>              | AP032208, AP036480, AP054480, AP072480   |
| <b>EX08306-00</b>              | AP041208, AP048480   |
| <b>EX08309-00</b>              | AP054208, AP054480, AP064208, AP108480, AP126480, AP144480, AP130600, AP150600   |

## HomeAdvantage II Replacement Parts

| MODEL NUMBER            | FOR USE WITH   |
|-------------------------|--|
| <b>HEATING ELEMENTS</b> |  |
| <b>HA-P001</b>          | Element, Heating for HA011240                                |
| <b>HA-P002</b>          | Element, Heating for HA013240                                |
| <b>HA-P003</b>          | Element, Heating for HA008240                                |
| <b>HA-P004</b>          | Element, Heating for HA024240                                |
| <b>HA-P005</b>          | Element, Heating for HA018240, HA027240, HA036240            |
| <b>TRIACS</b>           |  |
| <b>HA-P008</b>          | Triac, 1st Heating Element for HA008240/HA011240/HA013240    |
| <b>HA-P009</b>          | Triac, 2nd Heating Element for HA011240/HA013240             |
| <b>HA-P010</b>          | Triac, 1st Heating Element for HA018240                      |
| <b>HA-P011</b>          | Triac, 2nd Heating Element for HA018240                      |
| <b>HA-P012</b>          | Triac, 3rd Heating Element for HA024240/HA027240             |
| <b>HA-P053</b>          | Triac, 1st Heating Element for HA024240, HA027240            |
| <b>HA-P054</b>          | Triac, 1st Heating Element for HA036240                      |
| <b>HA-P055</b>          | Triac, 2nd Heating Element for HA024240, HA027240            |
| <b>HA-P056</b>          | Triac, 2nd Heating Element for HA036240                      |
| <b>HA-P057</b>          | Triac, 3rd Heating Element for HA036240                      |
| <b>HA-P051</b>          | Triac, 4th Heating Element for HA036240                      |
| <b>FLOW SENSORS</b>     |  |
| <b>HA-P021</b>          | Flow Sensor Assembly for HA008240/HA011240/HA013240          |
| <b>HA-P022</b>          | Flow Sensor Assembly for HA018240/HA024240/HA027240/HA036240 |
| <b>CONTROL BOARDS</b>   |  |
| <b>HA-P024-008</b>      | Control Board for HA008240 w/Transformer                     |
| <b>HA-P024-011</b>      | Control Board for HA011240 w/Transformer                     |
| <b>HA-P024-013</b>      | Control Board for HA013240 w/Transformer                     |
| <b>HA-P025</b>          | Control Board for HA018240/HA027240/HA036240                 |
| <b>HA-P025-024</b>      | Control Board for HA024240                                   |
| <b>MISC ITEMS</b>       |  |
| <b>HA-P026</b>          | Knob for HA008240/HA011240/HA013240                          |
| <b>HA-P027</b>          | Knob for HA018240/HA024240/HA027240/HA036240                 |
| <b>HA-P046</b>          | Thermistor for HA018240/HA024240/HA027240 (set of 2)         |
| <b>HA-P047</b>          | Thermistor for HA036240 (set of 2)                           |

# Terms and Conditions

## Terms of Sale

FOB Shipping Point – Title passes to you once the product is delivered to the carrier. It is your responsibility to inspect each shipment and file a claim with the carrier for any damage or shortages.

## Freight Terms

Available Options:

1. Collect – Eemax ships on your freight account #.
2. Prepaid – Eemax arranges shipping and charges you for freight.

3. Free Freight – Eemax pays freight to a single location in the continental US if your order is \$2900.00 or more. (excludes SafeAdvantage and SpecAdvantage products)

## Returns

Eemax will accept the return of unopened product with a 25% restock charge with prior approval. Custom products requiring sign-offs are excluded. To initiate a return, please fill out an RGA request form and email to Eemax for approval. [returns@eemaxinc.com](mailto:returns@eemaxinc.com)

## Payment Terms

Net 30 with approved credit.

## Order Cancellation

All canceled product will be subject to a 25% restock fee.

## How to Contact Eemax

Email: [info@eemaxinc.com](mailto:info@eemaxinc.com) for Tech Support, Order Tracking, Literature and more.

Email: [returns@eemaxinc.com](mailto:returns@eemaxinc.com) for Returns

Phone: **800-543-6163**

Web: [www.eemax.com](http://www.eemax.com)

## LIMITED WARRANTY INFORMATION – EEMAX ELECTRIC TANKLESS WATER HEATERS

Subject to the terms and conditions set forth in this limited warranty, each eemax tankless water heater is warranted to the original owner ("owner") against (i) mechanical or electrical failure of any component solely due to defects in materials or manufacturer's workmanship for a period of one year from the date of original purchase and (ii) leaks solely due to defects in materials or manufacturer's workmanship for the later of (x) five years from the date of original purchase or (y) the date of owner's occupancy of a new dwelling in which the eemax tankless water heater is installed. However, if owner cannot document the original date of purchase with the original sales receipt, then the limited warranty period begins on the date the eemax tankless water heater was manufactured. As owner's sole and exclusive remedy, manufacturer shall, at manufacturer's sole election, either repair or replace the eemax tankless water heater or the defective portion of such product. Manufacturer is not liable for any costs incurred by owner, including, without limitation, the cost of any labor. Manufacturer's maximum liability is limited to the value of the water heater. This limited warranty shall be governed by the laws of the united states.

This limited warranty shall be the exclusive warranty made by manufacturer and is made in lieu of all other warranties, statutory, expressed or implied (whether written or oral), including, but not limited to, warranties of merchantability and fitness for a particular purpose. Manufacturer expressly disclaims the implied warranties of merchantability and fitness for a particular purpose. Owner's sole and exclusive remedy is product repair or replaced, as provided in this limited warranty, and all other claims for damages are excluded.

The remedies set forth in this limited warranty are the only remedies available to owner or any person for breach of any covenant, duty or obligation on the part of manufacturer. Manufacturer is not liable to owner or any third party for any loss, personal injury or property damage, directly or indirectly, arising from the eemax tankless water heater. Under no circumstances is manufacturer liable to owner or any third party for incidental, consequential, special, contingent, or punitive damages of any description, whether any such claim be based upon warranty, contract, negligence, strict liability, or other tort, or otherwise.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to owner. In such cases, the warranty shall be limited to one year from the original date of purchase or date of manufacture, as provided in this limited warranty, or the shortest period allowed by law. This warranty gives owner specific legal rights and owner may also have other rights which may vary from state to state.

## EXCLUSIONS OF COVERAGE FROM THIS LIMITED WARRANTY

1. Manufacturer is not liable for any water damage or other damages arising, directly or indirectly, from any defect in the Eemax Tankless Water Heater component part(s) or from its use.
2. Manufacturer is not liable under this limited warranty or otherwise if:
  - (a) The water heater or any of its component parts have been subject to misuse, alteration, neglect or accident; or
  - (b) The water heater has not been installed in accordance with the applicable local plumbing and/or building code(s) and/or regulation(s); or
  - (c) The water heater has not been installed or maintained in accordance with Manufacturer's printed instructions, or installed with improper orientation, improper fastening, improper use of pipe dope/plumbers putty or with the use of any non Manufacturer approved sealant; or
  - (d) The water heater has not been continuously supplied with potable water or the water's inlet temperature is above Manufacturer's recommended maximum temperature; or
  - (e) The water heater experiences any water pressure or flow interruptions, normal inlet water pressure is outside of the published specification for the heater; is exposed to any condition that causes the heater to turn on before the air is purged from the heater, also known as a dry fire; or
  - (f) The water heater has been exposed to conditions resulting from floods, earthquakes, winds, fire, freezing, lightning, or circumstances beyond the Manufacturer's control; or
  - (g) The water heater has been removed from its original installation location; or
  - (h) The water heater has been used for other than the intended purpose.
3. Owner, and not Manufacturer or its agent/representative, is liable for and shall pay for all field charges for labor or other expenses incurred in the removal and/or repair of the water heater or any expense incurred by Owner in order to repair the water heater.

Subject to the terms and conditions set forth in this limited warranty, if the Eemax Tankless Water Heater fails or leaks because of defects in materials or Manufacturer's workmanship during the applicable warranty period set forth above, Owner should contact Manufacturer for a Returned Merchandise Authorization (RMA). No returns will be accepted by Manufacturer without an RMA number and Manufacturer assumes no responsibility for a water heater returned without an RMA number. Water heaters should be wrapped and packaged securely to avoid shipping damage. All shipments of parts from the Manufacturer to the Owner to replace defective components shall be made via normal ground transportation. If expedited shipment is required, it will be provided at Owner's additional cost.

## LIMITED WARRANTY INFORMATION – EEMAX ELECTRIC MINI TANK WATER HEATERS

Subject to the terms and conditions set forth in this limited warranty, each Eemax Mini Tank Water Heater is warranted to the original owner ("Owner") against (i) mechanical or electrical failure of any component solely due to defects in materials or Manufacturer's workmanship for a period of two years from the date of original purchase and (ii) leaks solely due to defects in materials or Manufacturer's workmanship for the later of (x) five years from the date of original purchase or (y) the date of Owner's occupancy of a new dwelling in which the Eemax Mini Tank Water Heater is installed. However, if Owner cannot document the original date of purchase with the original sales receipt, then the limited warranty period begins on the date the Eemax Mini Tank Water Heater was manufactured. As Owner's sole and exclusive remedy, Manufacturer shall, at Manufacturer's sole election, either repair or replace the Eemax Mini Tank Water Heater or the defective portion of such product. Manufacturer is not liable for any costs incurred by Owner, including, without limitation, the cost of any labor. Manufacturer's maximum liability is limited to the value of the water heater. This limited warranty shall be governed by the laws of the United States.

This limited warranty shall be the exclusive warranty made by manufacturer and is made in lieu of all other warranties, statutory, expressed or implied (whether written or oral), including, but not limited to, warranties of merchantability and fitness for a particular purpose. Manufacturer expressly disclaims the implied warranties of merchantability and fitness for a particular purpose. Owner's sole and exclusive remedy is product repair or replaced, as provided in this limited warranty, and all other claims for damages are excluded.

The remedies set forth in this limited warranty are the only remedies available to owner or any person for breach of any covenant, duty or obligation on the part of manufacturer. Manufacturer is not liable to owner or any third party for any loss, personal injury or property damage, directly or indirectly, arising from the eemax mini tank water heater. Under no circumstances is manufacturer liable to owner or any third party for incidental, consequential, special, contingent, or punitive damages of any description, whether any such claim be based upon warranty, contract, negligence, strict liability, or other tort, or otherwise.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to owner. In such cases, the warranty shall be limited to one year from the original date of purchase or date of manufacture, as provided in this limited warranty, or the shortest period allowed by law. This warranty gives owner specific legal rights and owner may also have other rights which may vary from state to state.

## EXCLUSIONS OF COVERAGE FROM THIS LIMITED WARRANTY

1. Manufacturer is not liable for any water damage or other damages arising, directly or indirectly, from any defect in the Eemax Mini Tank Water Heater component part(s) or from its use.
2. Manufacturer is not liable under this limited warranty or otherwise if:
  - (a) The water heater or any of its component parts have been subject to misuse, alteration, neglect or accident; or
  - (b) The water heater has not been installed in accordance with the applicable local plumbing and/or building code(s) and/or regulation(s); or
  - (c) The water heater has not been installed or maintained in accordance with Manufacturer's printed instructions, or installed with improper orientation, improper fastening, improper use of pipe dope/plumbers putty or with the use of any non Manufacturer approved sealant; or
  - (d) The water heater has not been continuously supplied with potable water or the water's inlet temperature is above Manufacturer's recommended maximum temperature; or
  - (e) The water heater experiences any water pressure or flow interruptions, normal inlet water pressure is outside of the published specification for the heater; is exposed to any condition that causes the heater to turn on before the air is purged from the heater also known as dry fire; or
  - (f) The water heater has been exposed to conditions resulting from floods, earthquakes, winds, fire, freezing, lightning, or circumstances beyond the Manufacturer's control; or
  - (g) The water heater has been removed from its original installation location; or
  - (h) The water heater has been used for other than the intended purpose.
3. Owner, and not Manufacturer or its agent/representative, is liable for and shall pay for all field charges for labor or other expenses incurred in the removal and/or repair of the water heater or any expense incurred by Owner in order to repair the water heater.

Subject to the terms and conditions set forth in this limited warranty, if the Eemax Mini Tank Water Heater fails or leaks because of defects in materials or Manufacturer's workmanship during the applicable warranty period set forth above, Owner should contact Manufacturer for a Returned Merchandise Authorization (RMA). No returns will be accepted by Manufacturer without an RMA number and Manufacturer assumes no responsibility for a water heater returned without an RMA number. Water heaters should be wrapped and packaged securely to avoid shipping damage. All shipments of parts from the Manufacturer to the Owner to replace defective components shall be made via normal ground transportation. If expedited shipment is required, it will be provided at Owner's additional cost.

# Notes

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# Notes

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To learn more about the full line  
of Eemax Water Heaters scan the  
QR code or visit [eemax.com](http://eemax.com)



400 Captain Neville Drive  
Waterbury, CT 06705  
(800) 543-6163  
[info@eemaxinc.com](mailto:info@eemaxinc.com)  
[eemax.com](http://eemax.com)



**NO LEAD\***

The wetted surface of this product contacted by water  
contains less than 0.25% lead and meets ANSI/NSF 372

NOTE: Certifications may vary based on product lines

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